



## Collagen IV a2 (Cleaved-Ser1485) mouse mAb

their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and		
Reactivity         Human; Mouse           Applications         WB           Gene Name         COL4A2           Protein Name         Collagen IV α 2 (Cleaved-Ser1485)           Immunogen         Synthesized peptide derived from human Collagen IV α 2 (Cleaved-Ser1485)           Specificity         This antibody detects endogenous levels of Human, Mouse Collagen IV α 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Collagen alpha-2(IV) chain [Cleaved into: Canstatin]           Observed Band         160 190kD           Cell Pathway         Secreted, extracellular space, extracellular matrix, basement membrane.           Tissue Specificity         Function         negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain. (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (wh	Catalog No	BYmab-16812
Applications WB Gene Name COL4A2 Protein Name Collagen IV α 2 (Cleaved-Ser1485)  Immunogen Synthesized peptide derived from human Collagen IV α 2 (Cleaved-Ser1485)  Specificity This antibody detects endogenous levels of Human, Mouse Collagen IV α 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band 160 190kD  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain. Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical TS domain, function: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and chactin/indiogen. Potently inhibits analogenesis and tumor growthPTM:Prolines	Isotype	IgG
Gene Name         COL4A2           Protein Name         Collagen IV a 2 (Cleaved-Ser1485)           Immunogen         Synthesized peptide derived from human Collagen IV a 2 (Cleaved-Ser1485)           Specificity         This antibody detects endogenous levels of Human, Mouse Collagen IV a 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Collagen alpha-2(IV) chain [Cleaved into: Canstatin]           Observed Band         160 190kD           Cell Pathway         Secreted, extracellular space, extracellular matrix, basement membrane.           Tissue Specificity         Function           Punction         negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain. Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the trip	Reactivity	Human;Mouse
Protein Name Collagen IV □ 2 (Cleaved-Ser1485)  Immunogen Synthesized peptide derived from human Collagen IV □ 2 (Cleaved-Ser1485)  Specificity This antibody detects endogenous levels of Human,Mouse Collagen IV □ 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse,IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90% Storage Stability -20°C/1 year  Synonyms Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band 160 190kD  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain.Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (Which may cause flexibility in the tiple helix), and a short N-terminal triple-helical 'S domain, function: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/idogen. Potently inhibits angiogenesis and turn growth. PTM:Prolines	Applications	WB
Immunogen         Synthesized peptide derived from human Collagen IV a 2 (Cleaved-Ser1485)           Specificity         This antibody detects endogenous levels of Human, Mouse Collagen IV a 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Collagen alpha-2(IV) chain [Cleaved into: Canstatin]           Observed Band         160 190kD           Cell Pathway         Secreted, extracellular space, extracellular matrix, basement membrane.           Tissue Specificity         Punction           Punction         negative regulation of angiogenesis, extracellular matrix, organization, extracellular structure organization, regulation of angiogenesis, domain. Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical organical triple-helical organical triple-helical organical triple-helical in the triple helix, and a short N-terminal t	Gene Name	COL4A2
Specificity         This antibody detects endogenous levels of Human, Mouse Collagen IV α 2 (Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)           Formulation         Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.           Source         Monoclonal, Mouse, IgG           Purification         The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.           Dilution         WB 1:500-2000           Concentration         1 mg/ml           Purity         ≥90%           Storage Stability         -20°C/1 year           Synonyms         Collagen alpha-2(IV) chain [Cleaved into: Canstatin]           Observed Band         160 190kD           Cell Pathway         Secreted, extracellular space, extracellular matrix, basement membrane.           Tissue Specificity         Function           Punction         negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain: Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-V repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical TS domain, function: Type IV collagen Is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entaction/riodogen. Potently inhibits angologenesis and tumor growth .	Protein Name	Collagen IV a 2 (Cleaved-Ser1485)
(Cleaved-Ser1485, protein was cleaved amino acid sequence between 1485-1486)  Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  Source Monoclonal, Mouse, IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band 160 190kD  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-Y- repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 75 domain., function: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth., PTM:Prolines	Immunogen	Synthesized peptide derived from human Collagen IV $^{\circ}$ 2 (Cleaved-Ser1485)
Source Monoclonal, Mouse,IgG  Purification The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band 160 190kD  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain.Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7'S domain, function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growthPTM:Prolines	Specificity	(Cleaved-Ser1485, protein was cleaved amino acid sequence between
Purification  The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.  Dilution  WB 1:500-2000  Concentration  1 mg/ml  Purity  ≥90%  Storage Stability  -20°C/1 year  Synonyms  Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band  160 190kD  Cell Pathway  Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain: Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminuts, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain, function: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/hidogen. Potentity inhibits angiogenesis and tumor growthPTM:Prolines	Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
affinity-chromatography using epitope-specific immunogen.  Dilution WB 1:500-2000  Concentration 1 mg/ml  Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band 160 190kD  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain. function: Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth. PTM:Prolines	Source	Monoclonal, Mouse,IgG
Concentration       1 mg/ml         Purity       ≥90%         Storage Stability       -20°C/1 year         Synonyms       Collagen alpha-2(IV) chain [Cleaved into: Canstatin]         Observed Band       160 190kD         Cell Pathway       Secreted, extracellular space, extracellular matrix, basement membrane.         Tissue Specificity       negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Purification	
Purity ≥90%  Storage Stability -20°C/1 year  Synonyms Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band 160 190kD  Cell Pathway Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis, domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Dilution	WB 1:500-2000
Storage Stability  -20°C/1 year  Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band  160 190kD  Cell Pathway  Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Concentration	1 mg/ml
Synonyms  Collagen alpha-2(IV) chain [Cleaved into: Canstatin]  Observed Band  160 190kD  Cell Pathway  Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Purity	≥90%
Observed Band  Cell Pathway  Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Storage Stability	-20°C/1 year
Cell Pathway  Secreted, extracellular space, extracellular matrix, basement membrane.  Tissue Specificity  Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Synonyms	Collagen alpha-2(IV) chain [Cleaved into: Canstatin]
Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Observed Band	160 190kD
Function  negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) at their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Cell Pathway	Secreted, extracellular space, extracellular matrix, basement membrane.
Background  domain:Alpha chains of type IV collagen have a non-collagenous domain (NC1) a their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Tissue Specificity	
their C-terminus, frequent interruptions of the G-X-Y repeats in the long central triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines	Function	negative regulation of angiogenesis, extracellular matrix organization, extracellular structure organization, regulation of angiogenesis,
	Background	triple-helical domain (which may cause flexibility in the triple helix), and a short N-terminal triple-helical 7S domain.,function:Type IV collagen is the major structural component of glomerular basement membranes (GBM), forming a 'chicken-wire' meshwork together with laminins, proteoglycans and entactin/nidogen. Potently inhibits angiogenesis and tumor growth.,PTM:Prolines

Nanjing BYabscience technology Co.,Ltd



国内优质抗体供应商 精准的 WB 检测服务 24H 在线服务, 欢迎咨询



some or all of the chains.,PTM:The trimeric structure of the NC1 domains may be stabilized by covalent bonds between Lys and Met residues.,PTM:Type IV collagens contain numerous cysteine residues which are involved in inter- and intramolecular disulfide bonding. 12 of these, located in the NC1 domain, are conserved in all known type IV collagens.,similarity:Belongs to the type IV collagen family.,similarity:Contains 1 collagen IV NC1 (C-terminal non-collagenous) domain.,subunit:There are six type IV collagen isoforms, alpha 1(IV)-alpha 6(IV), each of which can form a triple helix structure with 2 other chains to generate type IV collagen network.,
Avoid repeated freezing and thawing!

matters needing attention

**Usage suggestions** 

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## **Products Images**

Nanjing BYabscience technology Co.,Ltd

网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658