Collagen IV α2 (Cleaved-Ser1485) mouse mAb

Catalog No	BYmab-16812
Isotype	IgG
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,
Background	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 at the third position of the tripeptide repeating unit (G-X-Y) are hydroxylated in

	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.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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