



## APG7 mouse mAb

Cell Pathway  Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme.  Tissue Specificity  Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.  Function  domain:The C-terminal part of the protein is essential for the dimerization and		
Reactivity Human;Mouse;Rat  Applications WB  Gene Name ATG7 APG7L  Protein Name APG7  Immunogen Synthesized peptide derived from human APG7 AA range: 521-570  Specificity This antibody detects endogenous levels of Human,Mouse,Rat APG7  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 Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1-ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)  Observed Band  Cell Pathway Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme  Tissue Specificity Widely expressed, especially in kidney, liver, lymph nodes and bone marrow. domain: The C-terminal part of the protein is sesential for the dimerization and interaction with ATG3 and ATG12. , function: Functions as an E1 enzyme essentia for multisubstrates such as GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 and ATG12. The complex, composed of ATG3 and ATG12. The complex, composed of ATG3 and ATG3 plays a role in the conjugate is essential for autophagy, similarity, Belongs to the ATG3 family, subunit-Homodimer (By similarity). Interacts with ATG3 and ATG12. The complex, composed of ATG3 and ATG12. The complex composed of ATG3 and ATG12 to ATG5, tissue	Catalog No	BYmab-12443
Applications WB  Gene Name ATG7 APG7L  Protein Name APG7  Immunogen Synthesized peptide derived from human APG7 AA range: 521-570  Specificity This antibody detects endogenous levels of Human,Mouse,Rat APG7  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 Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1-ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-Iike protein)  Observed Band  Cell Pathway Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme  Tissue Specificity Widely expressed, especially in kidney, liver, lymph nodes and bone marrow. domain:The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12. function:Functions as an E1 enzyme essentia for multisubstrates such as GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 and ATG12. The complex, composed of ATG3 and ATG12 to ATG5, tissue	Isotype	IgG
Gene Name         ATG7 APG7L           Protein Name         APG7           Immunogen         Synthesized peptide derived from human APG7 AA range: 521-570           Specificity         This antibody detects endogenous levels of Human,Mouse,Rat APG7           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         Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)           Observed Band         Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme.           Tissue Specificity         Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.           Function         domain: The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12. Florms intermediate conjugates with GABRAPL1-1 (GABRAPL1-1 GABRAPL1-1 Fe conjugate is essential for multisubstrates such as GABARAPL1 (GABRAPAPL1 CABRAPAP) or MAP1ALC3). Formating the protein	Reactivity	Human;Mouse;Rat
Protein Name APG7  Immunogen Synthesized peptide derived from human APG7 AA range: 521-570  Specificity This antibody detects endogenous levels of Human,Mouse,Rat APG7  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 Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)  Observed Band  Cell Pathway Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme  Tissue Specificity Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.  domain:The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12. ,function:Functions as an E1 enzyme essentia for multisubstrates such as GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 (GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 (GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 (GABARAPL1 and ATG12. Forms intermediate for autophagy, similarity. Belongs to the ATG7 family, subunit-Homodimer (By similarity). Interacts with ATG3 and ATG12. The complex, composed of ATG3 and ATG17, plays a role in the conjugation of ATG12 to ATG5. lissue	Applications	WB
Immunogen   Synthesized peptide derived from human APG7 AA range: 521-570	Gene Name	ATG7 APG7L
Specificity This antibody detects endogenous levels of Human,Mouse,Rat APG7  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 Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)  Observed Band  Cell Pathway Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme .  Tissue Specificity Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.  domain:The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12. Function:Farmetion of the final GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 (GABARAPL2, GABARAP or MAP1ALC3). Formation of the final GABARAPL1 -PE conjugate is essential for autophagy. similarity. Belongs to the ATG7 family, subunit. Homodimer (By similarity). Interacts with ATG3 and ATG12. The complex, composed of ATG3 and ATG7, plays a role in the conjugation of ATG12 to ATG5, tissue	Protein Name	APG7
Formulation  Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  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  Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)  Observed Band  Cell Pathway  Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme  Tissue Specificity  Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.  domain:The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12, function:Functions as an E1 enzyme essentia for multisubstrates such as GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 (GABARAPL2, GABARAP or MAP1ALC3). Formation of the final GABARAPL1 (GABARAPL2, GABARAP or MAP1ALC3). Formation of the final GABARAPL1 (GABARAPL2, GABARAP or MAP1ALC3). Formation of the final GABARAPL1 recomplex, composed of ATG3 and ATG7, Jenys a role in the conjugate is essential for autophagy, similarity; Belongs to the ATG7 family, subunit:Homodimer (By similarity). Interacts with ATG3 and ATG12 to ATG5, tissue	Immunogen	Synthesized peptide derived from human APG7 AA range: 521-570
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         Ubiquitin-like modifier-activating enzyme ATG7 (ATG12-activating enzyme E1 ATG7;Autophagy-related protein 7;APG7-like;hAGP7;Ubiquitin-activating enzyme E1-like protein)           Observed Band         Cytoplasm . Preautophagosomal structure . Localizes also to discrete punctae along the ciliary axoneme and to the base of the ciliary axoneme           Tissue Specificity         Widely expressed, especially in kidney, liver, lymph nodes and bone marrow.           Function         domain:The C-terminal part of the protein is essential for the dimerization and interaction with ATG3 and ATG12, function:Functions as an E1 enzyme essentia for multisubstrates such as GABARAPL1 and ATG12. Forms intermediate conjugates with GABARAPL1 (GABARAPL2, GABARAP or MAP1ALC3). Formation of the final GABARAPL1 (Forms intermediate conjugates with GABARAPL1 (GABARAPL2, Conjugate is essential for autophagysimilarity. Belongs to the ATG7 family, subunit.Homodimer (By similarity). Interacts with ATG3 and ATG12. The complex, composed of ATG3 and ATG1, blusse or in the conjugation of ATG12 to ATG5, tissue	Specificity	This antibody detects endogenous levels of Human, Mouse, Rat APG7
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	marrow.,
Background	This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],
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.

## **Products Images**

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