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ATG4b Rabbit Polyclonal Antibody

Immunogen Recombinant Protein of ATG4b Specificity The antibody detects endogenous ATG4b protein Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution IHC-p 1:50-300. IF 1:50-200 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms Cysteine protease ATG4B (EC 3.4.22;AUT-like 1 cysteine endopeptidase 1;Autophagy-related cysteine endopeptidase 1;Autophagy-related protein 4 homolog B;hAPG4B) Observed Band 44kD Cell Pathway Cytoplasm. Cytoplasm, cytosol. Cytoplasmic vesicle, autophagosome Endoplasmic reticulum. Mitochondrion. Mainly localizes to the cytoplasm, including cytosol (PubMed:29165041). A samil potion localizes to mitochondria (PubMed:29165041). Tissue Specificity Brain, Embryo, Endometrium, Epithelium, Hippocampus, Liver, Placenta, Test Function enzyme regulation:Inhibited by N-ethylmaleimide, function: Cysteine protease calculated for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal		
Reactivity	Catalog No	YP-Ab-02385
Applications IHC:IF Gene Name ATG4B APG4B AUTL1 KIAA0943 Protein Name Cysteine protease ATG4B (EC 3.4.22) (AUT-like 1 cysteine endopeptidase) (Autophagin-1) (Autophagy-related cysteine endopeptidase 1) (Autophagy-related protein 4 homolog B) (hAPG4B) Immunogen Recombinant Protein of ATG4b Specificity The antibody detects endogenous ATG4b protein Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution IHC-p 1:50-300. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Cysteine protease ATG4B (EC 3.4.22;AUT-like 1 cysteine endopeptidase: 1;Autophagy-related protein 4 homolog B;hAPG4B) Observed Band 44kD Cell Pathway Cytoplasm. Cytoplasm. cytosol. Cytoplasmic vesicle, autophagosome Endoplasmic reticulum. Mitochondrion. Mainly localizes to the cytoplasm. including cytosol (PubMed:29165041). A samil potion localizes to mitochondria: (PubMed:29165041). Brain, Embryo, Endometrium, Epithelium, Hippocampus, Liver, Placenta, Test Function enzyme regulation in hibited by N-ethylmaleimide. function: Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP, allowing the liberation of form I. A subpopulation of form I. is subsequently converted to a smaller form (form II), Form II, with a revealed C-terminal glycine, is considered to be the phosphaticylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes, similarity. Belongs to the peptidase C54 family, tissue specificity, Mainly expressed in the skeletal muscle, followed by brain, heart, liver	Isotype	IgG
Gene Name ATG4B APG4B AUTL1 KIAA0943 Protein Name Cysteine protease ATG4B (EC 3.4.22) (AUT-like 1 cysteine endopeptidase) (Autophagin-1) (Autophagy-related cysteine endopeptidase 1) (Autophagy-related protein 4 homolog B) (hAPG4B) Immunogen Recombinant Protein of ATG4b Specificity The antibody detects endogenous ATG4b protein Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution IHC-p 1:50-300. IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms Cysteine protease ATG4B (EC 3.4.22;AUT-like 1 cysteine endopeptidase; Autophagy-related protein 4 homolog B;hAPG4B) Observed Band 44kD Cell Pathway Cytoplasm Cytoplasm, cytosol. Cytoplasmic vesicle, autophagosome Endoplasmic reticulum. Mitochondrion. Mainly localizes to the cytoplasm, including cytosol (PubMed:29165041). A samil potion localizes to mitochondria; phosphorylation at Ser-34 promotes localization to mitochondria; phosphorylation at Ser-34 promotes localization to mitochondria. PubMed:29165041). Brain, Embryo, Endometrium, Epithelium, Hippocampus, Liver, Placenta, Test ene	Reactivity	Human;Mouse;Rat
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Autophagin-1) (Autophagy-related cysteine endopeptidase 1) (Autophagy-related protein 4 homolog B) (hAPG4B) Immunogen Recombinant Protein of ATG4b	Gene Name	ATG4B APG4B AUTL1 KIAA0943
Specificity The antibody detects endogenous ATG4b protein Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. Source Polyclonal, Rabbit, IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution IHC-p 1:50-300. IF 1:50-200 Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms Cysteine protease ATG4B (EC 3.4.22;AUT-like 1 cysteine endopeptidase;Autophagin-1;Autophagy-related cysteine endopeptidase 1;Autophagy-related protein 4 homolog B;hAPG4B) Observed Band 44kD Cell Pathway Cytoplasm. Cytoplasm, cytosol. Cytoplasmic vesicle, autophagosome. Endoplasmic reticulum. Mitochondrion. Mainly localizes to the cytoplasm, including cytosol (PubMed:29165041). A samll potion localizes to mitochondria; phosphorylation at Ser-34 promotes localization to mitochondria (PubMed:29165041). Tissue Specificity Brain, Embryo, Endometrium, Epithelium, Hippocampus, Liver, Placenta, Test enzyme regulation: Inhibited by N-ethylmaleimide, function: Cysteine protease required for autophagy, which cleaves the C-terminal part of either MAP1LC3, GABARAPL2 or GABARAP. allowing the liberation of form. I. A subpopulation of form I is subsequently converted to a smaller form (form II). Form II, with a revealed C-terminal glycine, is considered to be the phosphatidylethanolamine (PE)-conjugated form, and has the capacity for the binding to autophagosomes, similarity. Belongs to the peptidase C54 family, tissue	Protein Name	Cysteine protease ATG4B (EC 3.4.22) (AUT-like 1 cysteine endopeptidase) (Autophagin-1) (Autophagy-related cysteine endopeptidase 1) (Autophagy-related protein 4 homolog B) (hAPG4B)
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Background

Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene encodes a member of the autophagin protein family. The encoded protein is also designated as a member of the C-54 family of cysteine proteases. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],

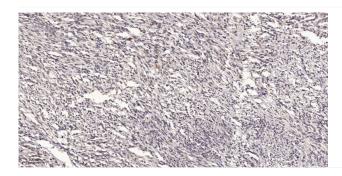
matters needing attention

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



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98° C,20min). 3,Secondary antibody was diluted at 1:200