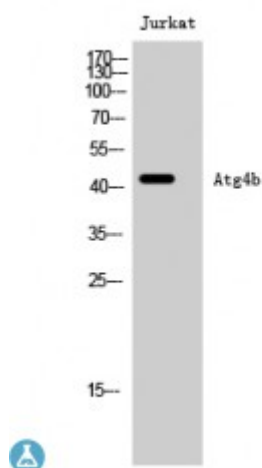


Anti-Atg4b antibody



Description	Rabbit polyclonal to Atg4b.
Model	STJ91759
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human Atg4b
Immunogen Region	40-120 aa, Internal
Gene ID	23192
Gene Symbol	ATG4B
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	Atg4b Polyclonal Antibody detects endogenous levels of Atg4b protein.
Tissue Specificity	Mainly expressed in the skeletal muscle, followed by brain, heart, liver and pancreas.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Cysteine protease ATG4B AUT-like 1 cysteine endopeptidase Autophagin-1 Autophagy-related cysteine endopeptidase 1 Autophagy-related protein 4 homolog B hAPG4B
Molecular Weight	44 kDa

Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:20790OMIM:611338
Alternative Names	Cysteine protease ATG4B AUT-like 1 cysteine endopeptidase Autophagin-1 Autophagy-related cysteine endopeptidase 1 Autophagy-related protein 4 homolog B hAPG4B
Function	Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Cleaves the C-terminal amino acid of ATG8 family proteins MAP1LC3, GABARAPL1, GABARAPL2 and GABARAP, to reveal a C-terminal glycine. Exposure of the glycine at the C-terminus is essential for ATG8 proteins conjugation to phosphatidylethanolamine (PE) and insertion to membranes, which is necessary for autophagy. Has also an activity of delipidating enzyme for the PE-conjugated forms.
Cellular Localization	Cytoplasm

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