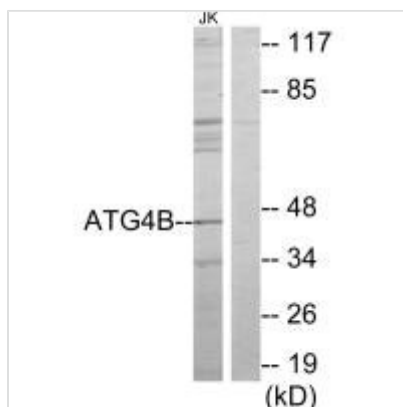


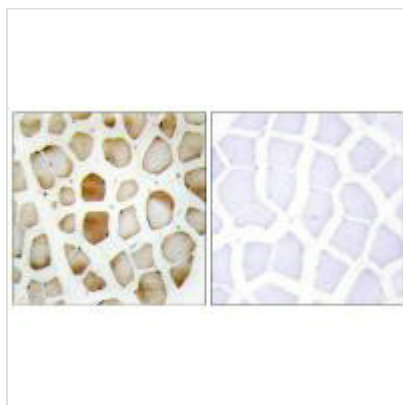


ATG4B Antibody

Product Code	CSB-PA138409
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9Y4P1
Immunogen	Synthesized peptide derived from internal of Human ATG4B.
Raised In	Rabbit
Species Reactivity	Human,Mouse
Specificity	The antibody detects endogenous levels of total ATG4B protein.
Tested Applications	ELISA,WB,IHC;WB:1:500-1:3000,IHC:1:50-1:100
Relevance	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. Kabeya Y., J. Cell Sci. 117:2805-2812(2004). Marino G., J. Biol. Chem. 278:3671-3678(2003). Ota T.,Nat. Genet. 36:40-45(2004).
Form	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purification Method	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Alias	Cysteine protease ATG4B; EC 3.4.22.-; Autophagy-related protein 4 homolog B; hAPG4B; Autophagin-1
Product Type	Polyclonal Antibody
Species	Homo sapiens (Human)
Target Names	ATG4B
Image	



Western blot analysis of extracts from Jurkat cells, using ATG4B antibody.



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue using ATG4B antibody.