

ATG4B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20544c

Product Information

Application	WB, E
Primary Accession	Q9Y4P1
Reactivity	Mouse, Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	250-290

Additional Information

Other Names	Cysteine protease ATG4B, 3422-, AUT-like 1 cysteine endopeptidase, Autophagin-1, Autophagy-related cysteine endopeptidase 1, Autophagy-related protein 4 homolog B, hAPG4B, ATG4B, APG4B, AUTL1, KIAA0943
Target/Specificity	This ATG4B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 250-290 amino acids from the Central region of human ATG4B.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ATG4B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

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.

References

Marino G., et al. J. Biol. Chem. 278:3671-3678(2003).

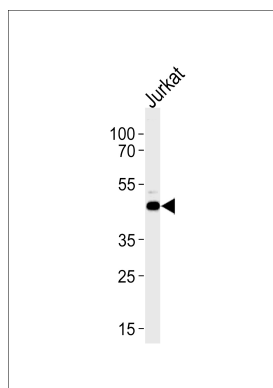
Kabeya Y., et al. J. Cell Sci. 117:2805-2812(2004).

Nagase T., et al. DNA Res. 6:63-70(1999).

Ohara O., et al. Submitted (AUG-2005) to the EMBL/GenBank/DDBJ databases.

Ota T., et al. Nat. Genet. 36:40-45(2004).

Images



ATG4B Antibody (Center) (Cat. #AP20544c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the ATG4B antibody detected the ATG4B protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.