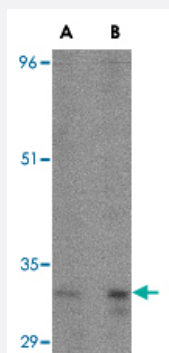


ATG5 polyclonal antibody

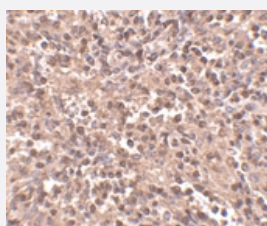
Catalog # PAB13023 Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of ATG5 in rat spleen tissue lysate with ATG5 polyclonal antibody (Cat # PAB13023) at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of ATG5 in human spleen tissue with ATG5 polyclonal antibody (Cat # PAB13023) at 2.5 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATG5.
Immunogen	A synthetic peptide corresponding to N-terminus 16 amino acids of human ATG5.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (1-2 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of ATG5 in rat spleen tissue lysate with ATG5 polyclonal antibody (Cat # PAB13023) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of ATG5 in human spleen tissue with ATG5 polyclonal antibody (Cat # PAB13023) at 2.5 ug/mL .

Gene Info — ATG5

Entrez GeneID	9474
Protein Accession#	EAW48415
Gene Name	ATG5
Gene Alias	APG5, APG5-LIKE, APG5L, ASP, hAPG5
Gene Description	ATG5 autophagy related 5 homolog (S. cerevisiae)
Omim ID	604261
Gene Ontology	Hyperlink
Gene Summary	S. cerevisiae)-like APG5 autophagy 5-like ATG5 autophagy related 5-like OTTHUMP00000017823 OTTHUMP00000017824 OTTHUMP00000040507 apoptosis specific protein
Other Designations	APG5 (autophagy 5, S. cerevisiae)-like APG5 autophagy 5-like ATG5 autophagy related 5-like OTTHUMP00000017823 OTTHUMP00000017824 OTTHUMP00000040507 apoptosis specific protein

Publication Reference

- [The Atg12-Atg5 conjugate has a novel E3-like activity for protein lipidation in autophagy.](#)

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The Journal of Biological Chemistry 2007 Dec; 282(52):37298.

- [Autophagy as a cell death and tumor suppressor mechanism.](#)

Gozuacik D, Kimchi A.

Oncogene 2004 Apr; 23(16):2891.

- [Tor-mediated induction of autophagy via an Apg1 protein kinase complex.](#)

Kamada Y, Funakoshi T, Shintani T, Nagano K, Ohsumi M, Ohsumi Y.

Journal of Cellular Biology 2000 Sep; 150(6):1507.

Pathway

- [Regulation of autophagy](#)

Disease

- [Adenocarcinoma](#)
- [Colorectal Neoplasms](#)
- [Huntington Disease](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)