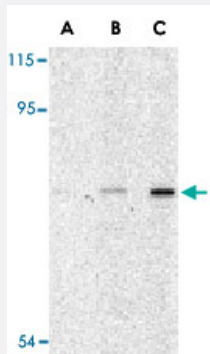


ATG7 polyclonal antibody

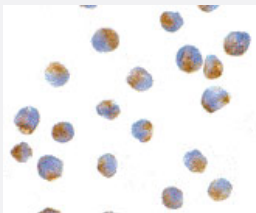
Catalog # PAB13170 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ATG7 in L1210 cell lysate with ATG7 polyclonal antibody (Cat # PAB13170) at (A) 1, (B) 2 and (C) 4 ug/mL .



Immunocytochemistry

Immunocytochemistry of ATG7 in L1210 cells with ATG7 polyclonal antibody (Cat # PAB13170) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATG7.
Immunogen	A synthetic peptide corresponding to N-terminus 17 amino acids of human ATG7.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	APG7 antibody is human and mouse reactive.
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 (Cell lysate)

Western blot analysis of ATG7 in L1210 cell lysate with ATG7 polyclonal antibody (Cat # PAB13170) at (A) 1, (B) 2 and (C) 4 ug/mL .

- Immunocytochemistry

Immunocytochemistry of ATG7 in L1210 cells with ATG7 polyclonal antibody (Cat # PAB13170) at 10 ug/mL .

Gene Info — ATG7

Entrez GeneID	10533
Protein Accession#	NP_006386
Gene Name	ATG7
Gene Alias	APG7-LIKE, APG7L, DKFZp434N0735, GSA7
Gene Description	ATG7 autophagy related 7 homolog (S. cerevisiae)
Omim ID	608760
Gene Ontology	Hyperlink
Gene Summary	This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes. [provided by RefSeq]
Other Designations	APG7 autophagy 7-like ubiquitin activating enzyme E1-like protein

Publication Reference

- [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.

- [Reduced autophagic activity in primary rat hepatocellular carcinoma and ascites hepatoma cells.](#)

Kisen GO, Tessitore L, Costelli P, Gordon PB, Schwarze PE, Baccino FM, Seglen PO.

Carcinogenesis 1993 Dec; 14(12):2501.

Pathway

- [Regulation of autophagy](#)

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)
- [Huntington Disease](#)
- [Tobacco Use Disorder](#)