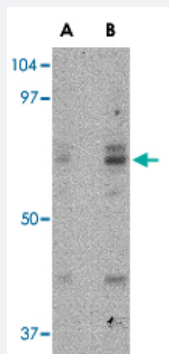


ATG16L1 polyclonal antibody

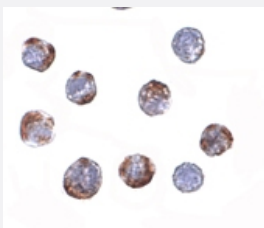
Catalog # PAB13324 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ATG16L1 in HeLa cell lysate with ATG16L1 polyclonal antibody (Cat # PAB13324) at (A) 0.25 and (B) 0.5 ug/mL .



Immunocytochemistry

Immunocytochemistry of ATG16L1 in HeLa cells with ATG16L1 polyclonal antibody (Cat # PAB13324) at 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATG16L1.
Immunogen	A synthetic peptide corresponding to internal region 18 amino acids of human ATG16L1.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.25-0.5 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 ATG16L1 in HeLa cell lysate with ATG16L1 polyclonal antibody (Cat # PAB13324) at (A) 0.25 and (B) 0.5 ug/mL .

- Immunocytochemistry

Immunocytochemistry of ATG16L1 in HeLa cells with ATG16L1 polyclonal antibody (Cat # PAB13324) at 2 ug/mL .

Gene Info — ATG16L1

Entrez GeneID	55054
Protein Accession#	NP_110430
Gene Name	ATG16L1
Gene Alias	APG16L, ATG16L, FLJ00045, FLJ10035, FLJ10828, FLJ22677, IBD10, WDR30
Gene Description	ATG16 autophagy related 16-like 1 (S. cerevisiae)
Omim ID	610767 611081
Gene Ontology	Hyperlink
Gene Summary	Autophagy is the major intracellular degradation system delivering cytoplasmic components to lysosomes, and it accounts for degradation of most long-lived proteins and some organelles. Cytoplasmic constituents, including organelles, are sequestered into double-membraned autophagosomes, which subsequently fuse with lysosomes. ATG16L1 is a component of a large protein complex essential for autophagy (Mizushima et al., 2003 [PubMed 12665549]).[supplied by OMIM]
Other Designations	APG16 autophagy 16-like APG16L beta ATG16 autophagy related 16-like protein 1 WD repeat domain 30

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.

Disease

- [Celiac Disease](#)
- [Cholangitis](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Granuloma](#)
- [Growth Disorders](#)
- [Huntington Disease](#)
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- [Inflammatory Bowel Diseases](#)
- [Liver Cirrhosis](#)
- [Rectal Fistula](#)