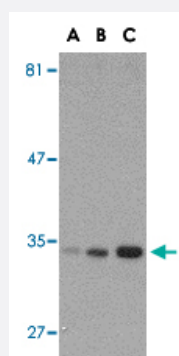


ATG10 polyclonal antibody

Catalog # PAB13017 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of ATG10 in SK-N-SH cell lysate with ATG10 polyclonal antibody (Cat # PAB13017) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ATG10.
Immunogen	A synthetic peptide corresponding to C-terminus 15 amino acids of human ATG10.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 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 ATG10 in SK-N-SH cell lysate with ATG10 polyclonal antibody (Cat # PAB13017) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

Gene Info — ATG10

Entrez GeneID	83734
Protein Accession#	EAW95884
Gene Name	ATG10
Gene Alias	APG10, APG10L, DKFZp586I0418, FLJ13954, pp12616
Gene Description	ATG10 autophagy related 10 homolog (S. cerevisiae)
Omim ID	610800
Gene Ontology	Hyperlink
Gene Summary	Autophagy is a process for the bulk degradation of cytosolic compartments by lysosomes. ATG10 is an E2-like enzyme involved in 2 ubiquitin-like modifications essential for autophagosome formation: ATG12 (MIM 609608)-ATG5 (MIM 604261) conjugation and modification of a soluble form of MAP-LC3 (MAP1LC3A; MIM 601242), a homolog of yeast Apg8, to a membrane-bound form (Nemoto et al., 2003 [PubMed 12890687]).[supplied by OMIM]
Other Designations	APG10 autophagy 10-like

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

- [Tobacco Use Disorder](#)