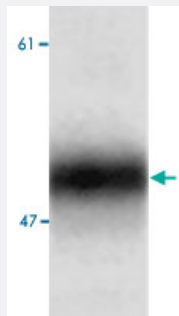


ATG5 polyclonal antibody

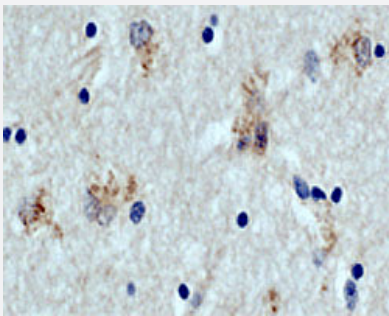
Catalog # PAB0712 Size 100 uL

Applications



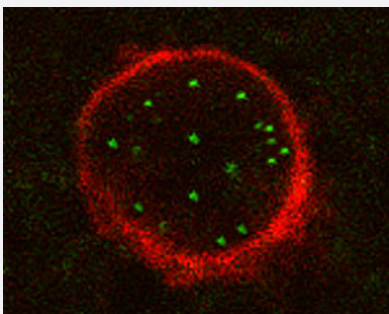
Western Blot (Cell lysate)

Western blot on non - reduced human neutrophils using rabbit ATG5 polyclonal antibody (Cat # PAB0712) at a dilution of 1 : 100 . The detected band has an apparent molecular weight of 49 KDa corresponding to the ATG5-ATG12 complex molecule.



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

DAB staining of ATG5 in paraffin - embedded human brain section (midfrontal cortex, Alzheimer case) using rabbit ATG5 polyclonal antibody (Cat # PAB0712) .



Immunofluorescence

Confocal microscopy on stained ATG5 using rabbit ATG5 polyclonal antibody (Cat # PAB0712) in paraffin - embedded human brain section (midfrontal cortex, Alzheimer case) . ATG5 appears green. Red staining is p25.

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of ATG5.

Immunogen

A synthetic peptide corresponding to C-terminus of human ATG5.

Host	Rabbit
Reactivity	Human
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:200-1:1000) Immunofluorescence (1:200-1:1000) Western Blot (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

Western blot on non - reduced human neutrophils using rabbit ATG5 polyclonal antibody (Cat # PAB0712) at a dilution of 1 : 100 . The detected band has an apparent molecular weight of 49 KDa corresponding to the ATG5-ATG12 complex molecule.

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

DAB staining of ATG5 in paraffin - embedded human brain section (midfrontal cortex, Alzheimer case) using rabbit ATG5 polyclonal antibody (Cat # PAB0712) .

- Immunohistochemistry (Frozen sections)

- Immunofluorescence

Confocal microscopy on stained ATG5 using rabbit ATG5 polyclonal antibody (Cat # PAB0712) in paraffin - embedded human brain section (midfrontal cortex, Alzheimer case) . ATG5 appears green. Red staining is p25.

Gene Info — ATG5

Entrez GeneID	9474
Protein Accession#	Q9H1Y0
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

- [Enhancement of neutrophil autophagy by an IVIG preparation against multidrug-resistant bacteria as well as drug-sensitive strains.](#)

Itoh H, Matsuo H, Kitamura N, Yamamoto S, Higuchi T, Takematsu H, Kamikubo Y, Kondo T, Yamashita K, Sasada M, Takaori-Kondo A, Adachi S.

Journal of Leukocyte Biology 2015 Jul; 98(1):107.

Application: IF, Human, Neutrophils

Pathway

- [Regulation of autophagy](#)

Disease

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