

Rabbit ATG5 Polyclonal Antibody | anti-ATG5 antibody

ATG5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA307400	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

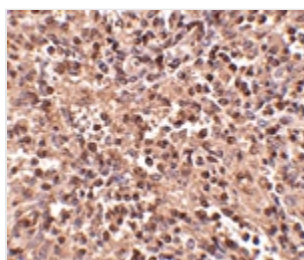
PRODUCT SYNONYMS

ATG5; Polyclonal Antibody; ATG5 Antibody; Autophagy protein 5; Autophagy related protein 5; ATG5L; ASP; anti-ATG5 antibody

PRODUCT SPECIFICATIONS

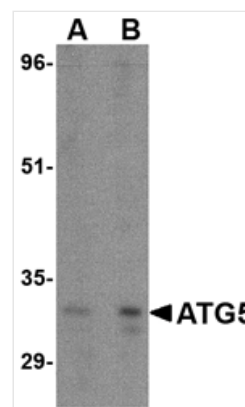
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Three isoforms of ATG5 are known to exist; this ATG5 antibody will only detect the longest isoform.
Purity/Purification	Affinity chromatography purified via peptide column
Form/Format	Supplied in PBS containing 0.02% sodium azide.
Sequence Length	275
Applicable Applications for anti-ATG5 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Type	Peptide
Immunogen Description	Raised against a 16 amino acid peptide from near the amino terminus of human ATG5.
Target Name	ATG5
Preparation and Storage	Can be stored at -20 degree C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of ATG5 in human spleen tissue with ATG5 antibody at 2.5 ug/mL.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-ATG5 antibody	Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein APG1. ATG5, another member of the autophagy protein family, forms a conjugate with ATG12; this conjugate has a ubiquitin-protein ligase (E3)-like activity for protein lipidation in autophagy. This conjugate also associates with innate immune response proteins such as RIG-I and VISA (also known as IPS-1), inhibiting type I interferon production and permitting viral replication in host cells.
Product Categories/Family for anti-ATG5 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	119568800
NCBI GeneID	9474
Molecular Weight	22,931 Da
NCBI Official Full Name	ATG5 autophagy related 5 homolog (S. cerevisiae), isoform CRA_b
NCBI Official Synonym Full Names	autophagy related 5
NCBI Official Symbol	ATG5
NCBI Official Synonym Symbols	ASP; APG5; APG5L; hAPG5; APG5-LIKE
NCBI Protein Information	autophagy protein 5
UniProt Protein Name	Autophagy protein 5
UniProt Gene Name	ATG5
UniProt Synonym Gene Names	APG5L; ASP
UniProt Entry Name	ATG5_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/atg5-antibody-immunohistochemistry-western-blot-elisa/307400>