

Rabbit ATG4A Polyclonal Antibody | anti-ATG4A antibody

ATG4A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40648	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot, ELISA

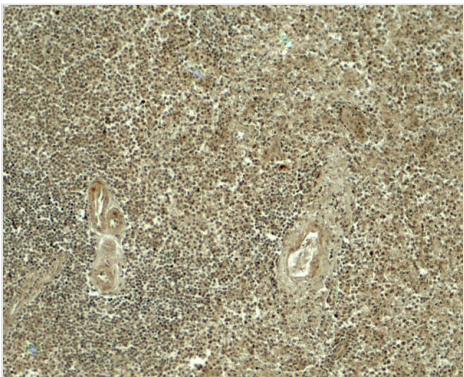
PRODUCT SYNONYMS

ATG4A; Polyclonal Antibody; ATG4A Antibody; Autophagy related 4A cysteine peptidase; APG4-A; AUTL2; autophagy related 4A; cysteine peptidase; anti-ATG4A antibody

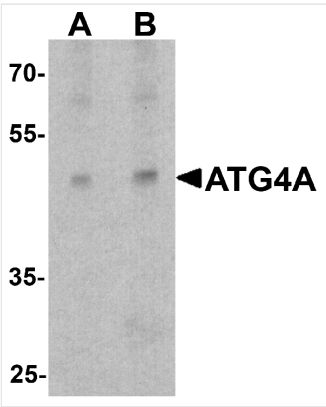
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ATG4A antibody is human, mouse and rat reactive. At least two isoforms of ATG4A are known to exist; this antibody will detect both isoforms. ATG4A is predicted to not cross-react with other ATG4 proteins.
Purity/Purification	ATG4A antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	398
Applicable Applications for anti-ATG4A antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	ATG4A antibody was raised against an 18 amino acid peptide near the carboxy terminus of human ATG4A.
Buffer	ATG4A antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	ATG4A antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemistry of ATG4A in human spleen tissue with ATG4A antibody at 5 μg/ml.



WB (Western Blot)
Western blot analysis of ATG4A in EL4 cell lysate with ATG4A antibody at (A) 1 and (B) 2 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG4A 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 (1,2). ATG4A, also known as AUTL2, is one of four mammalian orthologs of the yeast ATG4 protein; all four are cysteine proteases (3). ATG4 is required for ATG8 conjugation to phosphatidylethanolamine on autophagosomal membranes. In mammals, each ATG4 homolog shows a selective preference for the ATG8 homologs (4).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30795252
NCBI GeneID	115201
NCBI Accession #	NP_443168
NCBI GenBank Nucleotide #	NM_052936.3
UniProt Accession #	Q8WYN0; O95534; Q5JYY9; Q5JYZ0; Q86VE5; Q96KQ0; Q96KQ1; A6NCH2; B2RAZ7; D3DUY0
Molecular Weight	Predicted: 48 kDa Observed: 44 kDa
NCBI Official Full Name	cysteine protease ATG4A isoform a
NCBI Official Synonym Full Names	autophagy related 4A, cysteine peptidase
NCBI Official Symbol	ATG4A
NCBI Official Synonym Symbols	APG4A; AUTL2
NCBI Protein Information	cysteine protease ATG4A; hAPG4A; autophagin 2; autophagin-2; APG4 autophagy 4 homolog A; AUT-like 2 cysteine endopeptidase; ATG4 autophagy related 4 homolog A; AUT-like 2, cysteine endopeptidase; autophagy-related protein 4 homolog A; autophagy-related cysteine endopeptidase 2
UniProt Protein Name	Cysteine protease ATG4A
UniProt Gene Name	ATG4A
UniProt Synonym Gene Names	APG4A; AUTL2; hAPG4A
UniProt Entry Name	ATG4A_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://stage.aaabiotech.com/polyclonal/atg4a-antibody-immunohistochemistry-western-blot-elisa/40648>