

Rabbit anti-Human, Mouse ATG4C Polyclonal Antibody | anti-ATG4C antibody

ATG4C Antibody

CATALOG # AAA303307	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ATG4C; Polyclonal Antibody; ATG4C Antibody; APG4 autophagy 4 homolog C; APG4-C; APG4C; AUT-like 3 cysteine endopeptidase; AUTL1; anti-ATG4C antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total ATG4C protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	458
Applicable Applications for anti-ATG4C antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human ATG4C.
Target Name	ATG4C
Preparation and Storage	Store at -20 degree C

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of HuvEc cells, using ATG4C antibody.



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human liver carcinoma tissue using ATG4C antibody.



WB (Western Blot)

Western blot analysis of extracts from K562 cells and COS7 cells, using ATG4C antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG4C antibody	Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. Is not essential for autophagy development under normal conditions but is required for a proper autophagic response under stressful conditions such as prolonged starvation By similarity. Cleaves the C-terminal amino acid of ATG8 family proteins MAP1LC3 and GABARAPL2, to reveal a C-terminal glycine. Exposure of the glycine at the C-terminus is essential for ATG8 proteins conjugation to phosphatidylethanolamine (PE) and insertion to membranes, which is necessary for autophagy. Has also an activity of delipidating enzyme for the PE-conjugated forms.Marino G., J. Biol. Chem. 278:3671-3678(2003).Chen J.M., Submitted (JUL-2001) to the EMBL/GenBank/DDBJ databases.Ota T., Nat. Genet. 36:40-45(2004).
Product Categories/Family for anti-ATG4C antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	30410844
NCBI GeneID	84938
NCBI Accession #	NP_116241.2
NCBI GenBank Nucleotide #	NM_032852.3
UniProt Accession #	Q96DT6; Q96K04; A6NLR8; D3DQ58
Molecular Weight	52,497 Da
NCBI Official Full Name	cysteine protease ATG4C
NCBI Official Synonym Full Names	autophagy related 4C, cysteine peptidase
NCBI Official Symbol	ATG4C
NCBI Official Synonym Symbols	APG4C; AUTL1; AUTL3; APG4-C
NCBI Protein Information	cysteine protease ATG4C
UniProt Protein Name	Cysteine protease ATG4C
UniProt Gene Name	ATG4C
UniProt Synonym Gene Names	APG4C; AUTL1; AUTL3
UniProt Entry Name	ATG4C_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/atg4c-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/303307>