

anti-Human ATG4C Monoclonal Antibody | anti-ATG4C antibody

ATG4C Rabbit mAb

CATALOG # AAA314315	HOST Recombinant Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

ATG4C; Monoclonal Antibody; ATG4C Rabbit mAb; APG4C; AUTL1; AUTL3; APG4-C; anti-ATG4C antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S08-8G9
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-ATG4C antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human ATG4C
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of ATG4C in paraffin-embedded Human lung cancer tissue using ATG4C Rabbit mAb at dilution 1/50



WB (Western Blot)

Western blot detection of ATG4C in K562, Hela cell lysates using ATG4C Rabbit mAb(1:1000 diluted). Predicted band size: 53kDa. Observed band size: 53kDa.

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. 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.

Product Categories/Family for anti-ATG4C antibody	Primary Antibody
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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; autophagin-3; APG4 autophagy 4 homolog C; AUT-like 3 cysteine endopeptidase; ATG4 autophagy related 4 homolog C; AUT-like 1, cysteine endopeptidase; autophagy-related protein 4 homolog C; autophagy-related cysteine endopeptidase 3
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.