

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

Rabbit anti-human ATG4C polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA118617	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot, ELISA

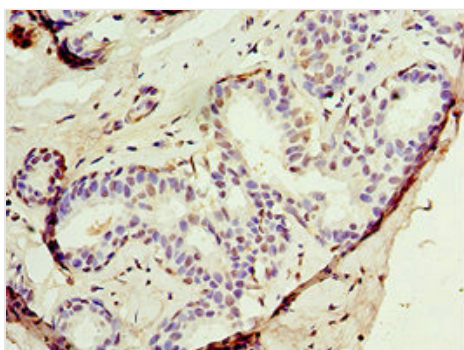
PRODUCT SYNONYMS

ATG4C; Polyclonal Antibody; Rabbit anti-human ATG4C polyclonal Antibody; AUT-like 3 cysteine endopeptidase; Autophagin-3; Autophagy-related cysteine endopeptidase 3; Autophagy-related protein 4 homolog C; APG4C; AUTL1; AUTL3; anti-ATG4C antibody

PRODUCT SPECIFICATIONS

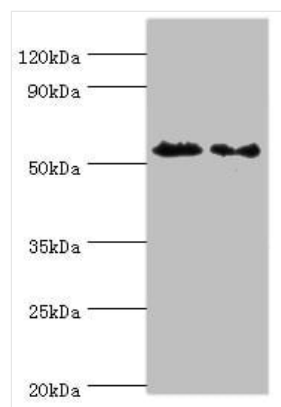
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Sequence Length	458
Applicable Applications for anti-ATG4C antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Storage Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Conjugate	Non-conjugated
Immunogen	Recombinant human Cysteine protease ATG4C protein (259-458aa)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-163708 / sc-163707
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human breast cancer using AAA118617 at dilution 1:100



WB (Western Blot)

Western blotAll lanes: ATG4C antibody at 9ug/mlLane 1:mouse lung tissueLane 2:HepG2 whole cell lysateSecondaryGoat polyclonal to rabbit at 1/10000 dilutionPredicted band size: 52kDaObserved band size: 52kDa

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.
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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
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.