

Rabbit ATG4A Polyclonal Antibody | anti-ATG4A antibody

Rabbit anti-ATG4A Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA222790	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ATG4A; Polyclonal Antibody; Rabbit anti-ATG4A Antibody; APG4A; AUTL2; Cysteine protease ATG4A; AUT-like 2 cysteine endopeptidase; Autophagin-2; Autophagy-related cysteine endopeptidase 2; Autophagy-related protein 4 homolog A; hAPG4A; anti-ATG4A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-ATG4A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human ATG4A. The exact sequence is proprietary.
Preparation and Storage	Store at -20 degree C. Avoid repeated freeze/thaw cycles.

IMAGES



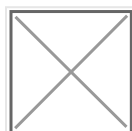
IF (Immunofluorescence)

Immunofluorescent analysis of ATG4A staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with Alexa Fluor 647-conjugated secondary antibody (red) in PBS at room temperature in the dark.



IHC (Immunohistochemistry)

Immunohistochemical analysis of ATG4A staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of ATG4A expression in HCT116 (A), HepG2 (B), CT26 (C), PC12 (D) whole cell lysates.

ADDITIONAL INFORMATION

Product Categories/Family for anti-ATG4A antibody	Primary antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	30795252
NCBI GeneID	115201
NCBI Accession #	NP_443168.2
NCBI GenBank Nucleotide #	NM_052936.3
UniProt Accession #	Q8WYN0; Q8C9S8
Molecular Weight	45,378 Da
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 cy
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-immunofluorescence-immunohistochemistry-western-blot-elisa/222790>