

ATG4A recombinant antibody

Recombinant Anti-ATG4A Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA266411	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

ATG4A; Monoclonal Recombinant Antibody; Recombinant Anti-ATG4A Rabbit mAb; APG4A; AUTL2; Cysteine protease ATG4A; AUT-like 2 cysteine endopeptidase; Autophagin-2; Autophagy-related cysteine endopeptidase 2; Autophagy-related protein 4 homolog A; hAPG4A; ATG4A recombinant antibody

PRODUCT SPECIFICATIONS

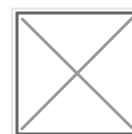
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of ATG4A protein
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in PBS, pH7.4, containing 50% glycerol, 0.2% BSA and 0.01% sodium azide.
Applicable Applications for ATG4A recombinant antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within human ATG4A protein. The exact sequence is proprietary.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



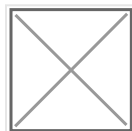
IF (Immunofluorescence)

Immunofluorescent analysis of ATG4A staining in A375 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 degree C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of ATG4A staining in human tonsil 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 K562 (A), Hela (B), PC3 (C), mouse kidney (D), mouse muscle (E), rat kidney (F), rat muscle (G) whole cell lysates. (Predicted band size: 45 kD; Observed band size: 45 kD)

ADDITIONAL INFORMATION

Related Product Information for ATG4A recombinant antibody	Recombinant rabbit monoclonal antibody to ATG4A
Product Categories/Family for ATG4A recombinant antibody	Primary Antibody

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.