

Rabbit anti-Human ATG4D Polyclonal Antibody | anti-ATG4D antibody

ATG4D Antibody

CATALOG # AAA229818	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA
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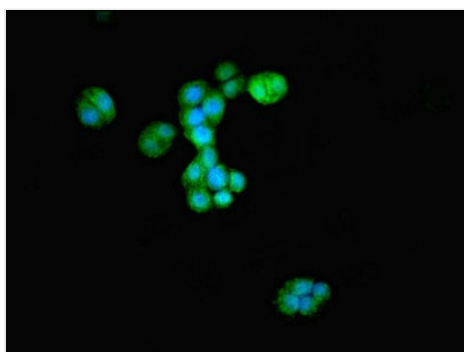
PRODUCT SYNONYMS

ATG4D; Polyclonal Antibody; ATG4D Antibody; Cysteine protease ATG4D; AUT-like 4 cysteine endopeptidase; Autophagin-4; Autophagy-related cysteine endopeptidase 4; Autophagy-related protein 4 homolog D; APG4D; AUTL4; anti-ATG4D antibody

PRODUCT SPECIFICATIONS

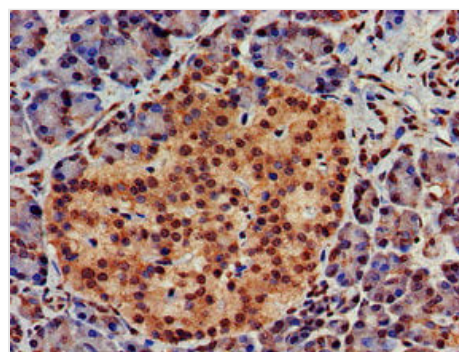
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	411
Applicable Applications for anti-ATG4D antibody	ELISA
Immunogen	Recombinant human Cysteine protease ATG4D protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



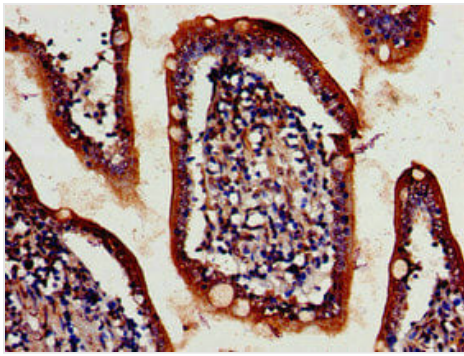
IF (Immunofluorescence)

Immunofluorescent analysis of PC3 cells using AAA229818 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



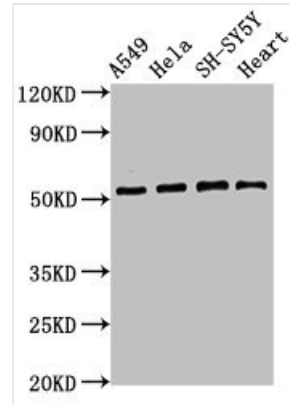
IHC (Immunohistochemistry)

IHC image of AAA229818 diluted at 1:700 and staining in paraffin-embedded human pancreatic tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)

IHC image of AAA229818 diluted at 1:700 and staining in paraffin-embedded human small intestine tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: A549 whole cell lysate, HeLa whole cell lysate, SH-SY5Y whole cell lysate, Mouse heart tissue. All lanes: ATG4D antibody at 2.8ug/ml. Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 53,17 KDa. Observed band size: 53 KDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG4D antibody

Cysteine protease ATG4D: Cysteine protease required for the cytoplasm to vacuole transport (Cvt) and autophagy. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	528078306
NCBI GeneID	84971
NCBI Accession #	NP_001268433.1
NCBI GenBank Nucleotide #	NM_001281504.1
UniProt Accession #	Q86TL0; Q969K0
Molecular Weight	16,008 Da
NCBI Official Full Name	cysteine protease ATG4D isoform 2
NCBI Official Synonym Full Names	autophagy related 4D cysteine peptidase
NCBI Official Symbol	ATG4D
NCBI Official Synonym Symbols	APG4D; AUTL4; APG4-D
NCBI Protein Information	cysteine protease ATG4D
UniProt Protein Name	Cysteine protease ATG4D
UniProt Gene Name	ATG4D
UniProt Synonym Gene Names	APG4D; AUTL4
UniProt Entry Name	ATG4D_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.