

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

ATG4D Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282282	Rabbit	Human	Immunocytochemistry, Immunofluorescence, Western Blot

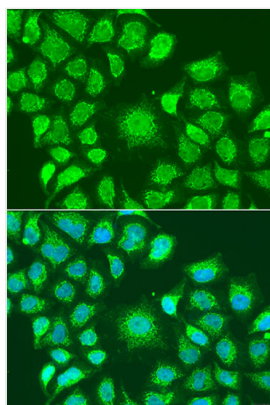
PRODUCT SYNONYMS

ATG4D; Polyclonal Antibody; ATG4D Rabbit pAb; APG4-D; APG4D; AUTL4; cysteine protease ATG4D; anti-ATG4D antibody

PRODUCT SPECIFICATIONS

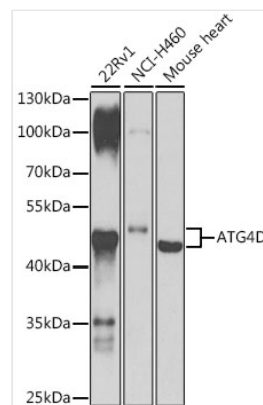
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 50% glycerol, pH 7.3.
Sequence	PSPFKHADIV TTTTHKTLRG ARSGLIFYRK GVKAVDPKTG REIPYTFEDR INFVFPSTLQ GGPHNHAIAA VAVALKQACT PMFREYSLQV LKNARAMADA LLERGYSLVG GGTDNHLVLV DLRPKGLDGA RAERVLELVG ITANKNTCPG DRSAITPGLL RLGAALTSLR QFREDDFRRV VDFIDEGVNI GLEVSKSTAK LQDFKSFLK DSETSQLAN LRQREVFAR AFPMPGFDEH
Applicable Applications for anti-ATG4D antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-230 of human ATG4D (NP_116274.3).
Cellular Location	Cytoplasm, Mitochondrion matrix
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using ATG4D antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ATG4D antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG4D antibody	Autophagy is the process by which endogenous proteins and damaged organelles are destroyed intracellularly. Autophagy is postulated to be essential for cell homeostasis and cell remodeling during differentiation, metamorphosis, non-apoptotic cell death, and aging. Reduced levels of autophagy have been described in some malignant tumors, and a role for autophagy in controlling the unregulated cell growth linked to cancer has been proposed. This gene belongs to the autophagy-related protein 4 (Atg4) family of C54 endopeptidases. Members of this family encode proteins that play a role in the biogenesis of autophagosomes, which sequester the cytosol and organelles for degradation by lysosomes. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-ATG4D antibody	Cancer; Signal Transduction; Cell Biology & Developmental Biology; Autophagy; Ubiquitin; Endocrine & Metabolism; Mitochondrial metabolism; Cardiovascular; Heart; ATGs; Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	6226865
NCBI GeneID	6472
UniProt Accession #	P34897; O00740; Q8N1A5; B7Z9F1; E7EQ19; E7EU43
Molecular Weight	504
NCBI Official Full Name	Serine hydroxymethyltransferase, mitochondrial
NCBI Official Synonym Full Names	serine hydroxymethyltransferase 2 (mitochondrial)
NCBI Official Symbol	SHMT2
NCBI Official Synonym Symbols	GLYA; SHMT; HEL-S-51e
NCBI Protein Information	serine hydroxymethyltransferase, mitochondrial; GLY A+; serine aldolase; serine methylase; threonine aldolase; serine hydroxymethylase; glycine hydroxymethyltransferase; epididymis secretory sperm binding protein Li 51e; glycine auxotroph A, human complem
UniProt Protein Name	Serine hydroxymethyltransferase, mitochondrial
UniProt Gene Name	SHMT2
UniProt Synonym Gene Names	SHMT
UniProt Entry Name	GLYM_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/atg4d-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282282>