

Rabbit anti-Human, Mouse APG7 Polyclonal Antibody | anti-ATG7 antibody

APG7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40401	Rabbit	Human, Mouse	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

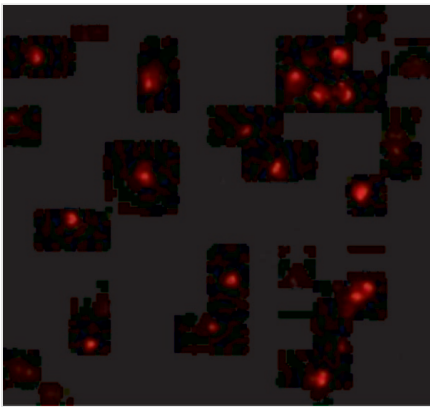
PRODUCT SYNONYMS

APG7; Polyclonal Antibody; APG7 Antibody; GSA7; APG7L; APG7-LIKE; Ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; APG7-like; ATG7 autophagy related 7 homolog (*S. cerevisiae*); anti-ATG7 antibody

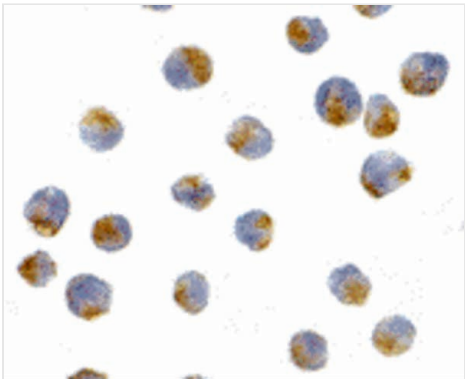
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	APG7 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	703
Applicable Applications for anti-ATG7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	APG7 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human APG7.
Buffer	APG7 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	APG7 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

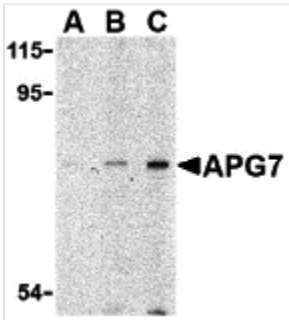
IMAGES



IF (Immunofluorescence)
Immunofluorescence of APG7 in L1210 cells with APG7 antibody at 10 μg/mL.



ICC (Immunocytochemistry)
Immunocytochemistry of APG7 in L1210 cells with APG7 antibody at 10 μg/mL.



WB (Western Blot)
Western blot analysis of APG7 in L1210 cell lysate with APG7 antibody at (A) 1, (B) 2 and (C) 4 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG7 antibody

APG7 Antibody: Autophagy, the process of bulk degradation of cellular proteins through an autophagosomic-lysosomal pathway is important for normal growth control and may be defective in tumor cells. It is involved in the preservation of cellular nutrients under starvation conditions as well as the normal turnover of cytosolic components. This process is negatively regulated by TOR (Target of rapamycin) through phosphorylation of autophagy protein APG1. Another member of the autophagy family of proteins is APG7 which was identified in yeast as a ubiquitin-E1-like enzyme; this function is conserved in the mammalian homolog. In mammalian cells, APG7 is essential for autophagy conjugation systems, autophagosome formation, starvation-induced bulk degradation of proteins and organelles. It has been suggested that caspase-8 may alter APG7 levels and thus the APG7 program of autophagic cell death.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453668
NCBI GeneID	10533
NCBI Accession #	NP_006386
NCBI GenBank Nucleotide #	NM_006395.2
UniProt Accession #	O95352; Q7L8L0; Q9BWP2; Q9UFH4; B4E170; E9PB95
Molecular Weight	68,618 Da
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme ATG7 isoform a
NCBI Official Synonym Full Names	autophagy related 7
NCBI Official Symbol	ATG7

NCBI Official Synonym Symbols	GSA7; APG7L; APG7-LIKE
NCBI Protein Information	ubiquitin-like modifier-activating enzyme ATG7; hAGP7; autophagy-related protein 7; ATG12-activating enzyme E1 ATG7; ATG7 autophagy related 7 homolog; ubiquitin activating enzyme E1-like protein; ubiquitin-activating enzyme E1-like protein
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme ATG7
UniProt Gene Name	ATG7
UniProt Synonym Gene Names	APG7L; APG7-like; hAGP7
UniProt Entry Name	ATG7_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/apg7-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/40401>