

Rabbit APG7L Polyclonal Antibody | anti-ATG7 antibody

APG7L Antibody (D555)

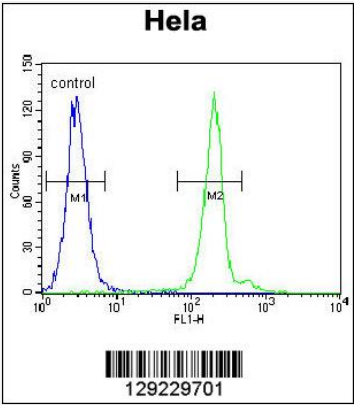
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284368	Rabbit	Human (Predicted Reactivity: Chicken, Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

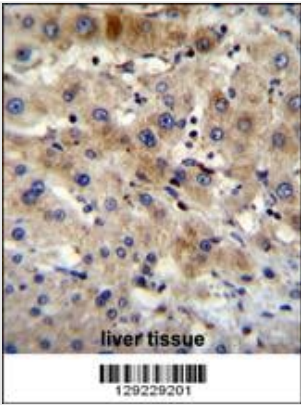
APG7L; Polyclonal Antibody; APG7L Antibody (D555); Ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; Autophagy-related protein 7; APG7-like; hAGP7; Ubiquitin-activating enzyme E1-like protein; ATG7; anti-ATG7 antibody

PRODUCT SPECIFICATIONS

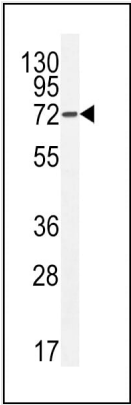
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Chicken, Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This APG7L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 540-569 amino acids from human APG7L.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.41 (varies by lot)
Sequence Positions	540-569
Sequence Length	623
Applicable Applications for anti-ATG7 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
APG7L Antibody flow cytometric analysis of Hela cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
APG7L Antibody(D555) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of APG7L Antibody(D555) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
hAPG7L-D555 (PEI 1:100)b western blot analysis in Hela cell line lysates (35ug/lane).This demonstrates the APG7L antibody detected the APG7L protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ATG7 antibody	This gene was identified based on homology to Pichia pastoris GSA7 and Saccharomyces cerevisiae APG7. In the yeast, the protein appears to be required for fusion of peroxisomal and vacuolar membranes. The protein shows homology to the ATP-binding and catalytic sites of the E1 ubiquitin activating enzymes.
Product Categories/Family for anti-ATG7 antibody	Cancer; Cardiovascular; Cell Biology; Metabolism; Signal Transduction; Phospho Antibodies
References	Metzger, S., et al. Hum. Genet. 128(4):453-459(2010) Zhao, Y., et al. Nat. Cell Biol. 12(7):665-675(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Xue, L.Y., et al. Autophagy 6(2):248-255(2010) Zhu, K., et al. Oncogene 29(3):451-462(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	222144227
NCBI GeneID	10533
NCBI Accession #	NP_001129503.2; NP_001138384.1; NP_006386.1

NCBI GenBank Nucleotide #	NM_001136031.2
UniProt Accession #	O95352 ; Q7L8L0 ; Q9BWP2 ; Q9UFH4 ; B4E170 ; E9PB95
Molecular Weight	77960
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme ATG7 isoform b
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
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://www.aaabiotech.com/polyclonal/apg7l-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/284368>