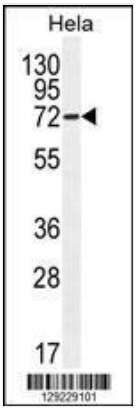
APG7L Antibody – Rabbit Polyclonal

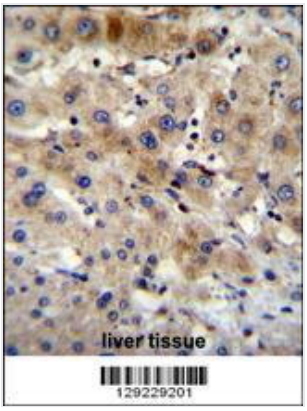
PRODUCT OVERVIEW

Product Name	APG7L, Polyclonal Antibody
Full Product Name	APG7L (D555) (ATG7, APG7L, Ubiquitin-like modifier-activating enzyme ATG7, ATG12-activating enzyme E1 ATG7, Autophagy-related protein 7, Ubiquitin-activating enzyme E1-like protein) (AP)
Product Gene Name	anti-APG7L antibody
Product Synonym Gene Name	ATG7
Product Synonym Names	ATG7; APG7L; Ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; Autophagy-related protein 7; Ubiquitin-activating enzyme E1-like protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	68,618 Da
OMIM	608760
3D Structure	ModBase 3D Structure for O95352
Immunogen	APG7L antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 547-576 amino acids from human APG7L.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-APG7L antibody	Antibodies; Autophagy
Applications Tested/Suitable for anti-APG7L antibody	Immunohistochemistry (IHC), ELISA (EIA), Western Blot (WB)
Application Notes for anti-APG7L antibody	IHC: 1:50-100 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-APG7L 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 References and Citations for anti-APG7L antibody	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).

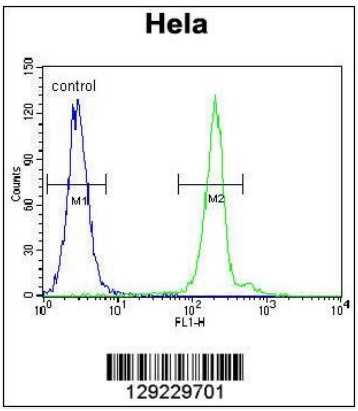
Other Notes	Small volumes of anti-APG7L antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for APG7L purchase	MBS6274291 is an antibody targeting APG7L. Also known as APG7L (D555) (ATG7, APG7L, Ubiquitin-like modifier-activating enzyme ATG7, ATG12-activating enzyme E1 ATG7, Autophagy-related protein 7, Ubiquitin-activating enzyme E1-like protein) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-APG7L antibody
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).



Immunohistochemistry (IHC) of anti-APG7L antibody
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.



Flow Cytometry (FC/FACS) of anti-APG7L antibody
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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APG7L. It may not necessarily be applicable to this product.

NCBI GI #	5453668
NCBI GeneID	10533
NCBI Accession #	NP_006386.1
UniProt Primary Accession #	O95352
UniProt Secondary Accession #	Q7L8L0; Q9BWP2; Q9UFH4; B4E170; E9PB95
UniProt Related Accession #	O95352
GenBank Nucleotide #	NM_006395.2
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
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme ATG7
UniProt Synonym Protein Names	ATG12-activating enzyme E1 ATG7; Autophagy-related protein 7; APG7-like; hAGP7; Ubiquitin-activating enzyme E1-like protein
UniProt Gene Name	ATG7
UniProt Synonym Gene Names	APG7L; APG7-like; hAGP7
UniProt Entry Name	ATG7_HUMAN
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
Research Articles on APG7L	**1.** the Atg7.caspase-9 complex performs a dual function of linking caspase-9 to the autophagic process while keeping in check its apoptotic activity.
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