

Rabbit anti-Mouse ATG7 Polyclonal Antibody | anti-ATG7 antibody

RABBIT ANTI HUMAN ATG7 (C-TERMINAL)

CATALOG # AAA50055	HOST Rabbit	REACTIVITY Mouse	APPLICATIONS Western Blot, Immunohistochemistry
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PRODUCT SYNONYMS

ATG7; Polyclonal Antibody; RABBIT ANTI HUMAN ATG7 (C-TERMINAL); anti-ATG7 antibody

PRODUCT SPECIFICATIONS

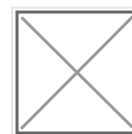
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	IgG
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0mg/ml (varies by lot)
Sequence Length	741
Applicable Applications for anti-ATG7 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Perservative Stabilisers	0.02% Sodium Azide (NaN ₃)
Immunogen	A peptide corresponding to an 17 amino acid sequence from near the carboxy terminus of human ATG7. Buffer Solution
Antiserum Preparation	Antiserum to human ATG7 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
Target Species	Human
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Immunocytochemical staining of MCF7 human breast adenocarcinoma cells with Rabbit anti Human ATG7 (AAA50055)



Application Data

Western blot analysis of whole cell lysates from Caco-2 human colorectal epitheloid adenocarcinoma cells probed with Rabbit anti Human ATG7 (AAA50055) at 0.5(A), 1(B) and 2(C) ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-ATG7 antibody	Rabbit anti Human ATG7 (C-Terminal) antibody recognizes human Autophagy-related protein 7, known also as Ubitiquin Activating Enzyme-E1 like Protein, ATG7 and APG7, a 78kDa cytoplasmic protein. In mammalian cells, ATG7 is essential for autophagy conjugation systems, autophagosome formation, starvation-induced bulk degradation of proteins and organelles. Studies indicate that caspase-8 may alter ATG7 levels and thus the ATG7 program of autophagic cell death. ATG7 is evolutionally conserved and exhibits high homology within mammalian species. It expressed in wide range of tissues including kidney, liver, bone marrow and lymph nodes.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	358679369
NCBI GeneID	74244
NCBI Accession #	NP_001240646.1
NCBI GenBank Nucleotide #	NM_001253717.1
Molecular Weight	77,520 Da
NCBI Official Full Name	ubiquitin-like modifier-activating enzyme ATG7 isoform 1
NCBI Official Synonym Full Names	autophagy related 7
NCBI Official Symbol	Atg7
NCBI Official Synonym Symbols	Apq7; Apq7l; Atg7l; Gm21553; 1810013K23Rik
NCBI Protein Information	ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; autophagy-related protein 7; ubiquitin-activating enzyme E1-like protein
UniProt Protein Name	Ubiquitin-like modifier-activating enzyme ATG7
UniProt Gene Name	Atg7
UniProt Synonym Gene Names	Apq7l; APG7-like; mAGP7
UniProt Entry Name	ATG7_MOUSE

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.