

Mouse ATG3 Monoclonal Antibody | anti-ATG3 antibody

ATG3 antibody

CATALOG #	HOST	APPLICATIONS
AAA74706	Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

ATG3; Monoclonal Antibody; ATG3 antibody; Monoclonal ATG3; Anti-ATG3; ATG3 autophagy related 3 homolog; DKFZp564M1178; FLJ22125; MGC15201; PC3-96; Autophagy-related protein 3; APG3; APG3L; hApg3; APG3 autophagy 3-like; Protein PC3 96; ATG 3; ATG-3; anti-ATG3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4F6
Purity/Purification	ATG3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	314
Applicable Applications for anti-ATG3 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	Autophagy is a process of bulk degradation of cytoplasmic components by the lysosome or vacuole. Human ATG3 displays the same enzymatic characteristics in vitro as yeast Apg3, a protein-conjugating enzyme essential for autophagy.
Cross-Reactivity	Human
Immunogen	ATG3 antibody was raised in mouse using a full length recombinant protein of human ATG3 (NP_071933) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant ATG3 protein using ATG3 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of ATG3 protein in paraffin embedded Human endometrium tissue using ATG3 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ATG3 protein (Right) or empty vector (Left) detected with ATG3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ATG3 antibody	Mouse monoclonal ATG3 antibody
Product Categories/Family for anti-ATG3 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	19526773
NCBI GeneID	64422
NCBI Accession #	NP_071933
NCBI GenBank Nucleotide #	NM_022488.3
UniProt Accession #	Q9NT62 ; Q6PKC5 ; Q9H6L9
Molecular Weight	35,467 Da
NCBI Official Full Name	ubiquitin-like-conjugating enzyme ATG3 isoform 1
NCBI Official Synonym Full Names	autophagy related 3
NCBI Official Symbol	ATG3
NCBI Official Synonym Symbols	APG3; APG3L; PC3-96; APG3-LIKE
NCBI Protein Information	ubiquitin-like-conjugating enzyme ATG3
UniProt Protein Name	Ubiquitin-like-conjugating enzyme ATG3
UniProt Gene Name	ATG3
UniProt Synonym Gene Names	APG3; APG3L; APG3-like; hApg3
UniProt Entry Name	ATG3_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/monoclonal/atg3-antibody-clone-4f6-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/74706>