

Mouse anti-Human ATG3 Monoclonal Antibody | anti-ATG3 antibody

ATG3 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48955	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

ATG3; Monoclonal Antibody; ATG3 antibody; ubiquitin-like-conjugating enzyme ATG3 isoform 1; APG3; APG3-LIKE; APG3L; PC3-96; anti-ATG3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT15F6
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	314
Applicable Applications for anti-ATG3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human ATG3 (1-314aa) purified from E. coli.
Clone Note	Anti-human ATG3 mAb, clone AT15F6, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human ATG3 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of ATG3 in HeLa cells. The cell was stained with ATGA0493 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ATG3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: ATG3 transfected 293T cell lysate The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human ATG3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: K562 cell lysate Lane 2.: Raji cell lysate Lane 3.: Jurkat cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-ATG3 antibody	Ubiquitin-like-conjugating enzyme ATG3 isoform 1, also known as ATG3, is an E2-like enzyme that localizes to the cytoplasm and is expressed in a variety of tissues with predominant levels found in kidney, placenta, liver, heart and skeletal muscle. ATG3 catalyzes the formation of the Atg8-phosphatidylethanolamine (ATG-PE) conjugate, a reaction that is essential for autophagy.
Product Categories/Family for anti-ATG3 antibody	Ubiquitination
References	Tanida I., et al. (2002) J Biol Chem. 277: 13739-13744. ; Yamada Y., et al. (2007) J Biol Chem. 282: 8036-8043.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19526773
NCBI GeneID	64422
NCBI Accession #	NP_071933
NCBI GenBank Nucleotide #	NM_022488.4
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

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-at15f6-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48955>