

Mouse ATP6V1B1 Monoclonal Antibody | anti-ATP6V1B1 antibody

ATP6V1B1 antibody

CATALOG # AAA106425	HOST Mouse	APPLICATIONS Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

ATP6V1B1; Monoclonal Antibody; ATP6V1B1 antibody; Monoclonal ATP6V1B1; Anti-ATP6V1B1; Atpase H+ Transporting Lysosomal 56/58Kda V1 Subunit B1; ATP6B1; MGC32642; RTA1B; VATB; VMA2; VPP3; ATPV1B1 6; ATPV1B1-6; anti-ATP6V1B1 antibody

PRODUCT SPECIFICATIONS

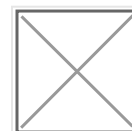
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6D2
Purity/Purification	ATP6V1B1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	513
Applicable Applications for anti-ATP6V1B1 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	ATP6V1B1 is a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d.
Cross-Reactivity	Human
Immunogen	ATP6V1B1 antibody was raised in mouse using a full length recombinant protein of human ATP6V1B1 (NP_001683) 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 ATP6V1B1 protein using ATP6V1B1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant ATP6V1B1 protein (Right) or empty vector (Left) detected with ATP6V1B1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1B1 antibody	Mouse monoclonal ATP6V1B1 antibody
Product Categories/Family for anti-ATP6V1B1 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913426
NCBI GeneID	525
NCBI Accession #	NP_001683
NCBI GenBank Nucleotide #	NM_001692.3
UniProt Accession #	P15313 ; Q53FY0 ; Q6P4H6
Molecular Weight	56,833 Da
NCBI Official Full Name	V-type proton ATPase subunit B, kidney isoform
NCBI Official Synonym Full Names	ATPase, H+ transporting, lysosomal 56/58kDa, V1 subunit B1
NCBI Official Symbol	ATP6V1B1
NCBI Official Synonym Symbols	VATB; VMA2; VPP3; RTA1B; ATP6B1
NCBI Protein Information	V-type proton ATPase subunit B, kidney isoform
UniProt Protein Name	V-type proton ATPase subunit B, kidney isoform
UniProt Gene Name	ATP6V1B1
UniProt Synonym Gene Names	ATP6B1; VATB; VPP3; V-ATPase subunit B 1
UniProt Entry Name	VATB1_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/atp6v1b1-antibody-clone-6d2-western-blot-immunofluorescence-flow-cytometry-elisa/106425>