

Rabbit ATP6V0A1 Polyclonal Antibody | anti-ATP6V0A1 antibody

ATP6V0A1 Polyclonal Antibody

CATALOG # AAA178995	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence
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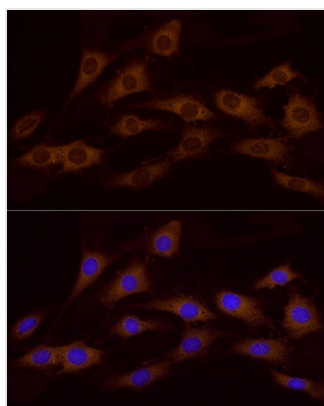
PRODUCT SYNONYMS

ATP6V0A1; Polyclonal Antibody; ATP6V0A1 Polyclonal Antibody; ATP6N1; ATP6N1A; Stv1; VPP1; Vph1; a1; anti-ATP6V0A1 antibody

PRODUCT SPECIFICATIONS

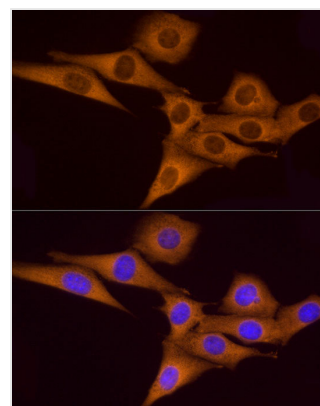
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.01% thiomersal, 50% glycerol, pH 7.3.
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-ATP6V0A1 antibody	IF (Immunofluorescence)
Immunogen	Recombinant fusion protein of human ATP6V0A1
Preparation and Storage	Storage: -20 degree C/One year. Avoid freeze/thaw cycles.

IMAGES



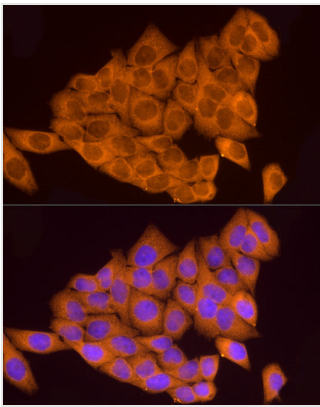
IF (Immunofluorescence)

Immunofluorescence analysis of C6 using ATP6V0A1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 using ATP6V0A1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of HeLa using ATP6V0A1 Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V0A1 antibody	This gene encodes 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. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene encodes one of three A subunit proteins and the encoded protein is associated with clathrin-coated vesicles. Three transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ATP6V0A1 antibody	Antibodies ; Primary Antibodies ; Polyclonal Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	21619070
NCBI GeneID	535
UniProt Accession #	Q93050 ; Q8N5G7 ; Q9NSX0 ; B7Z3B7
Molecular Weight	96,413 Da
NCBI Official Full Name	ATP6V0A1 protein
NCBI Official Synonym Full Names	ATPase, H ⁺ transporting, lysosomal V0 subunit a1
NCBI Official Symbol	ATP6V0A1
NCBI Official Synonym Symbols	a1; Stv1; VPP1; Vph1; ATP6N1; ATP6N1A
NCBI Protein Information	V-type proton ATPase 116 kDa subunit a isoform 1; V-ATPase 116 kDa; vacuolar proton pump subunit 1; vacuolar proton pump, subunit 1; vacuolar-type H(+)-ATPase 115 kDa subunit; vacuolar adenosine triphosphatase subunit Ac116; vacuolar proton translocating
UniProt Protein Name	V-type proton ATPase 116 kDa subunit a isoform 1
UniProt Gene Name	ATP6V0A1
UniProt Synonym Gene Names	ATP6N1; ATP6N1A; VPP1; V-ATPase 116 kDa isoform a1
UniProt Entry Name	VPP1_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.

