Rabbit anti-Human, Mouse ATP6V1B1 Polyclonal Antibody | anti-ATP6V1B1 antibody

ATP6V1B1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325246	**Rabbit**	**Human, Mouse**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

ATP6V1B1; Polyclonal Antibody; ATP6V1B1 Antibody; Atp6b1; ATPase; H+ transporting; lysosomal (vacuolar proton pump); beta 56/58 kDa; isoform 1; lysosomal 56/58kDa; V1 subunit B; Endomembrane proton pump 58 kDa subunit; H(+) transporting two sector ATPase 58kD subunit; H+ ATPase beta 1 subunit; kidney isoform; Lysosomal 56/58kDa; MGC32642; RTA1B; V ATPase B1 subunit; V type proton ATPase subunit B kidney isoform; V type proton ATPase subunit B; V-ATPase subunit B 1; V-type proton ATPase subunit B; Vacuolar proton pump 3; Vacuolar proton pump subunit 3; Vacuolar proton pump subunit B 1; VATB; VATB1_HUMAN; VMA2; Vpp 3; Vpp3; anti-ATP6V1B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	ATP6V1B1 antibody detects endogenous levels of total ATP6V1B1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	513
Applicable Applications for anti-ATP6V1B1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Endomembrane System. Endomembrane.
Tissue Specificity	Expressed in the cochlea and endolymphatic sac.
Predicted Cross Reactivity	**Pig, Bovine, Sheep, Rabbit, Dog, Xenopus**
Similarity	Pig (100%), Bovine (100%), Sheep (100%), Rabbit (100%), Dog (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES

IF (Immunofluorescence)
AAA325246 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

IHC (Immunohiostchemistry)
AAA325246 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using ATP6V1B1 antibody.The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1B1 antibody	Function: Non-catalytic subunit of the peripheral V1 complex of vacuolar ATPase. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells. Subunit Structure: V-ATPase is a heteromultimeric enzyme composed of a peripheral catalytic V1 complex (main components: subunits A, B, C, D, E, and F) attached to an integral membrane V0 proton pore complex (main component: the proteolipid protein). Forms a complex with SLC9A3R1 and SCL4A7. Similarity: The PDZ-binding motif mediates interactions with SLC9A3R1 and SCL4A7. Belongs to the ATPase alpha/beta chains family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913426
NCBI GeneID	525
NCBI Accession #	NP_001683.2
NCBI GenBank Nucleotide #	NM_001692.4
UniProt Accession #	P15313; Q53FY0; Q6P4H6
Molecular Weight	Observed: 60 kD Predicted: 57 kDa
NCBI Official Full Name	V-type proton ATPase subunit B, kidney isoform
NCBI Official Synonym Full Names	ATPase H+ transporting 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

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.