

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

ATP6V1B1 Antibody (C-term)

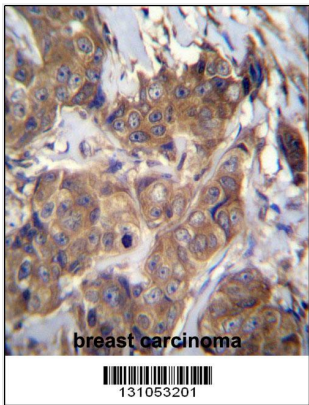
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286242	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

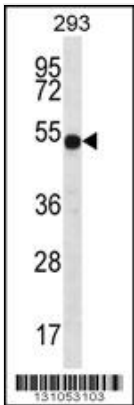
ATP6V1B1; Polyclonal Antibody; ATP6V1B1 Antibody (C-term); V-type proton ATPase subunit B; kidney isoform; V-ATPase subunit B 1; Endomembrane proton pump 58 kDa subunit; Vacuolar proton pump subunit B 1; ATP6B1; VATB; VPP3; anti-ATP6V1B1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ATP6V1B1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 472-501 amino acids from the C-terminal region of human ATP6V1B1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	472-501
Sequence Length	513
Applicable Applications for anti-ATP6V1B1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohiostchemistry)
ATP6V1B1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human breast carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ATP6V1B1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
ATP6V1B1 Antibody (C-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the ATP6V1B1 antibody detected the ATP6V1B1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V1B1 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 encoded protein is one of two V1 domain B subunit isoforms and is found in the kidney. Mutations in this gene cause distal renal tubular acidosis associated with sensorineural deafness. [provided by RefSeq].
Product Categories/Family for anti-ATP6V1B1 antibody	Metabolism; Signal Transduction
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Sharifian, M., et al. Iran J Kidney Dis 4(3):202-206(2010) Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Andreucci, E., et al. Pediatr. Nephrol. 24(11):2147-2153(2009) Sethi, S.K., et al. Indian Pediatr 46(5):425-427(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	19913426
NCBI GeneID	525
NCBI Accession #	NP_001683.2
NCBI GenBank Nucleotide #	NM_001692.3
UniProt Accession #	P15313; Q53FY0; Q6P4H6
Molecular Weight	56833

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/polyclonal/atp6v1b1-antibody-immunohistochemistry-western-blot-elisa/286242>