

Rabbit anti-Human ATP6V0A4 Polyclonal Antibody | anti-ATP6V0A4 antibody

Anti-ATP6V0A4 Antibody (aa53-295) IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52653	Rabbit	Human	Western Blot, Immunohistochemistry

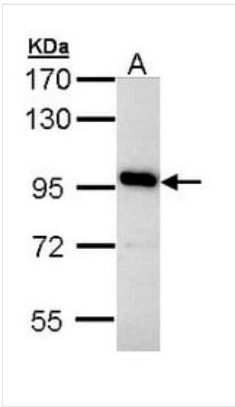
PRODUCT SYNONYMS

ATP6V0A4; Polyclonal Antibody; Anti-ATP6V0A4 Antibody (aa53-295) IHC-plus; Rabbit Polyclonal (IgG) to Human ATP6V0A4; Human ATP6V0A4; ATP6N1B; Renal tubular acidosis; RTA1C; STV1; V-ATPase 116 kDa; V-ATPase alpha 4; RTADR; ATP6N2; RDRTA2; V-ATPase 116 kDa isoform a4; VPH1; VPP2; anti-ATP6V0A4 antibody

PRODUCT SPECIFICATIONS

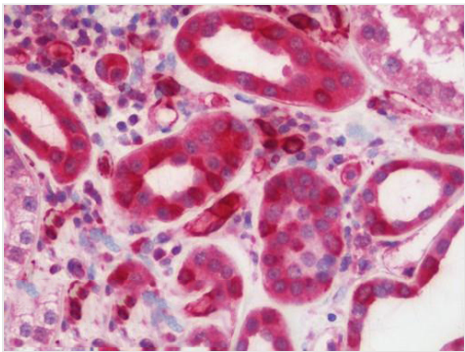
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human ATP6V0A4
Purity/Purification	Immunoaffinity purified
Form/Format	0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal
Concentration	1 mg/ml (varies by lot)
Sequence Length	840
Applicable Applications for anti-ATP6V0A4 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	ATP6V0A4 antibody was raised against recombinant fragment corresponding to a region within amino acids 53 and 295 of V-ATPase 116 kD isoform a4 (SwissProt Q9HBG4). Percent identity by BLAST analysis: Human (100%); Mouse (87%); Bovine (82%).
Immunogen Description	Recombinant fragment corresponding to a region within amino acids 53 and 295 of V-ATPase 116 kD isoform a4 (SwissProt Q9HBG4). Percent identity by BLAST analysis: Human (100%); Mouse (87%); Bovine (82%).
Immunogen Type	Recombinant protein
Antigen Modification	aa53-295
Target Species	Human
Preparation and Storage	Keep as concentrated solution. Aliquot and store at -20 degree C or below. Avoid multiple freeze-thaw cycles.

IMAGES



WB (Western Blot)

Sample (30 ug of whole cell lysate). A: Hep G2. 7.5% SDS PAGE. ATP6V0A4 antibody diluted at 1:3000.



IHC (Immunohistochemistry)

Anti-ATP6V0A4 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 7.5 ug/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-ATP6V0A4 antibody

ATP6V0A4 Antibody, ATP6N1B Antibody, Renal tubular acidosis Antibody, RTA1C Antibody, STV1 Antibody, V-ATPase 116 kDa Antibody, V-ATPase alpha 4 Antibody, RTADR Antibody, ATP6N2 Antibody, RDRTA2 Antibody, V-ATPase 116 kDa isoform a4 Antibody, VPH1 Antibody, VPP2 Antibody Description: ATP6V0A4 is a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85386547
NCBI GeneID	50617
NCBI Accession #	NP_570856.2
NCBI GenBank Nucleotide #	NM_130841.2
UniProt Accession #	Q9HBG4; Q32M47; A4D1R4; A8KA80
Molecular Weight	96,386 Da
NCBI Official Full Name	V-type proton ATPase 116 kDa subunit a isoform 4
NCBI Official Synonym Full Names	ATPase H ⁺ transporting V0 subunit a4
NCBI Official Symbol	ATP6V0A4
NCBI Official Synonym Symbols	A4; STV1; VPH1; VPP2; RTA1C; RTADR; ATP6N2; RDRTA2; ATP6N1B
NCBI Protein Information	V-type proton ATPase 116 kDa subunit a isoform 4
UniProt Protein Name	V-type proton ATPase 116 kDa subunit a isoform 4
UniProt Gene Name	ATP6V0A4
UniProt Synonym Gene Names	ATP6N1B; ATP6N2; V-ATPase 116 kDa isoform a4
UniProt Entry Name	VPP4_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.

