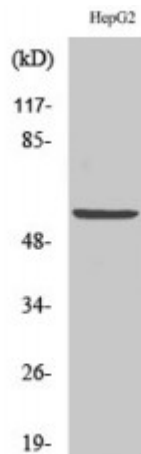


Anti-V-ATPase B1 antibody



Description

V-ATPase B1 is a protein encoded by the ATP6V1B1 gene which is approximately 56,8 kDa. V-ATPase B1 is localised to the endomembrane system. It is involved in insulin receptor recycling, innate immune system, metabolism and mTOR signalling pathway. It 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 B1 is expressed in the cochlea and endolymphatic sac. Mutations in the ATP6V1B1 gene may result in renal tubular acidosis with progressive nerve deafness. STJ96223 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of V-ATPase B1 protein.

Model	STJ96223
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human V-ATPase B1
Immunogen Region	350-430 aa, C-terminal
Gene ID	525
Gene Symbol	ATP6V1B1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000
Specificity	V-ATPase B1 Polyclonal Antibody detects endogenous levels of V-ATPase

	B1 protein.
Tissue Specificity	Expressed in the cochlea and endolymphatic sac.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	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
Molecular Weight	60 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:8530MIM:192132
Alternative Names	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
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.
Sequence and Domain Family	The PDZ-binding motif mediates interactions with SLC9A3R1 and SCL4A7.
Cellular Localization	Endomembrane system. Peripheral membrane protein. Endomembrane.