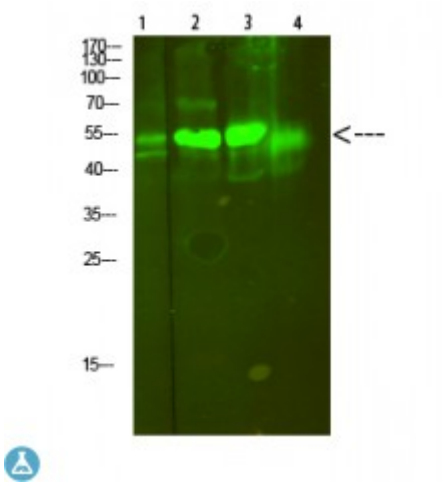
Anti-V-ATPase S1 antibody



Description	Rabbit polyclonal to V-ATPase S1.

Model	STJ99321
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human V-ATPase S1.
Immunogen Region	421-470aa
Gene ID	537
Gene Symbol	ATP6AP1
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	V-ATPase S1 Polyclonal Antibody detects endogenous levels of V-ATPase S1.
Tissue Specificity	widely expressed, with highest levels in brain and lowest in liver and duodenum.
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 S1 V-ATPase subunit S1 Protein XAP-3 V-ATPase Ac45 subunit V-ATPase S1 accessory protein Vacuolar proton pump subunit S1

Molecular Weight	51kDa
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:868OMIM:300197
Alternative Names	V-type proton ATPase subunit S1 V-ATPase subunit S1 Protein XAP-3 V-ATPase Ac45 subunit V-ATPase S1 accessory protein Vacuolar proton pump subunit S1
Function	Accessory subunit of the proton-transporting vacuolar (V)-ATPase protein pump, which is required for luminal acidification of secretory vesicles. Guides the V-type ATPase into specialized subcellular compartments, such as neuroendocrine regulated secretory vesicles or the ruffled border of the osteoclast, thereby regulating its activity. Involved in membrane trafficking and Ca(2+)-dependent membrane fusion. May play a role in the assembly of the V-type ATPase complex.
Cellular Localization	Endoplasmic reticulum membrane Endoplasmic reticulum-Golgi intermediate compartment membrane. Not detected in trans-Golgi network.
Post-translational Modifications	N-glycosylated.