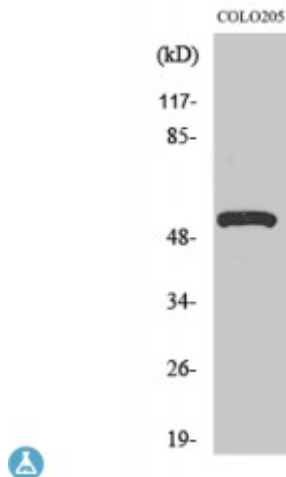


Anti-V-ATPase H antibody



Description

V-ATPase H is a protein encoded by the ATP6V1H gene which is approximately 55,9 kDa. V-ATPase H is localised to the cytosol. It is involved in insulin receptor recycling and innate immune system. It is a multi-subunit enzyme that mediates acidification of intracellular organelles. V-ATPase-dependent organelle acidification is necessary for multiple processes including protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. Subunit H activates the ATPase activity of the enzyme and couples ATPase activity to proton flow. V-ATPase H is widely expressed. Mutations in the ATP6V1H gene may result in an involvement in the HIV life cycle. STJ96226 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of V-ATPase H protein.

Model	STJ96226
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human V-ATPase H
Immunogen Region	310-390 aa, Internal
Gene ID	51606
Gene Symbol	ATP6V1H
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:20000
Specificity	V-ATPase H Polyclonal Antibody detects endogenous levels of V-ATPase H

protein.

Tissue Specificity	Widely expressed.
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 H V-ATPase subunit H Nef-binding protein 1 NBP1 Protein VMA13 homolog V-ATPase 50/57 kDa subunits Vacuolar proton pump subunit H Vacuolar proton pump subunit SFD
Molecular Weight	55 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:18303OMIM:608861
Alternative Names	V-type proton ATPase subunit H V-ATPase subunit H Nef-binding protein 1 NBP1 Protein VMA13 homolog V-ATPase 50/57 kDa subunits Vacuolar proton pump subunit H Vacuolar proton pump subunit SFD
Function	Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit H activates the ATPase activity of the enzyme and couples ATPase activity to proton flow. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system . Involved in the endocytosis mediated by clathrin-coated pits, required for the formation of endosomes.