

Product Name: V-ATPase S1 Rabbit Polyclonal Antibody
Catalog #: APRab19738



Summary

Production Name	V-ATPase S1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ATP6AP1
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)
Gene ID	537.0
SwissProt ID	Q15904.Synthesized peptide derived from human V-ATPase S1. at AA range: 421-470

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:10000-20000
Molecular Weight	51kD

Background

This gene encodes a component of a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles.

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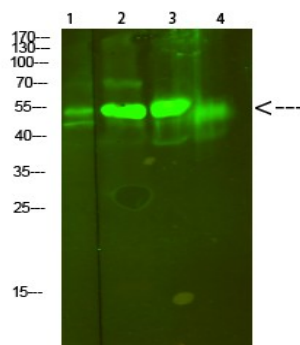


Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development. [provided by RefSeq, Aug 2013],function:Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.,similarity:Belongs to the vacuolar ATPase subunit S1 family.,subunit:Composed of at least 10 subunits.,tissue specificity:Ubiquitous.,

Research Area

Oxidative phosphorylation;Lysosome;Vibrio cholerae infection;Epithelial cell signaling in Helicobacter pylori infection;

Image Data



Western Blot analysis of 1,mouse-lung 2,mouse-brain 3,mouse-spleen 4,mouse-kidney cells using primary antibody diluted at 1:500 (4°C overnight) . Secondary antibody: Goat Anti-rabbit IgG IRDye 800 (diluted at 1:5000, 25°C, 1 hour)

Note

For research use only.