

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



## Summary

|                        |  |
|------------------------|--|
| <b>Production Name</b> | V-ATPase S1 Rabbit Polyclonal Antibody |
| <b>Description</b>     | Rabbit Polyclonal Antibody             |
| <b>Host</b>            | Rabbit                                 |
| <b>Application</b>     | WB,ELISA                               |
| <b>Reactivity</b>      | Human,Mouse,Rat                        |

## Performance

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

## Immunogen

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | ATP6AP1   |
| <b>Alternative Names</b> | 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) |
| <b>Gene ID</b>           | 537.0   |
| <b>SwissProt ID</b>      | Q15904. Synthesized peptide derived from human V-ATPase S1. at AA range: 421-470  |

## Application

|                         |                                    |
|-------------------------|------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:500-2000, ELISA 1:10000-20000 |
| <b>Molecular Weight</b> | 51kDa                              |

## Background

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

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

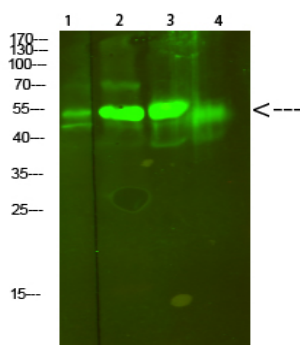


Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein 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.