

## V-ATPase D1 Rabbit pAb

CatalogNo: YT5026

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 40kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:20000**

**Not yet tested in other applications.**

### Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

#### Clonality

Polyclonal

### Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human V-ATPase D1. AA range: 221-270

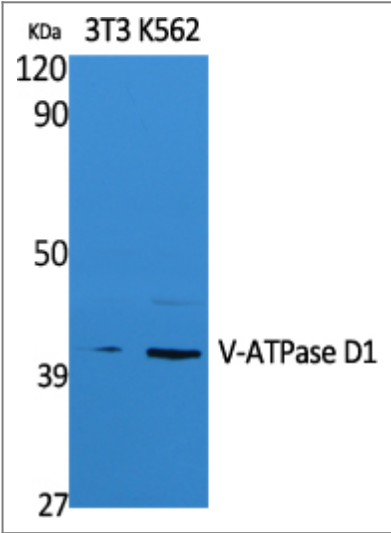
#### Specificity

V-ATPase D1 Polyclonal Antibody detects endogenous levels of V-ATPase D1 protein.

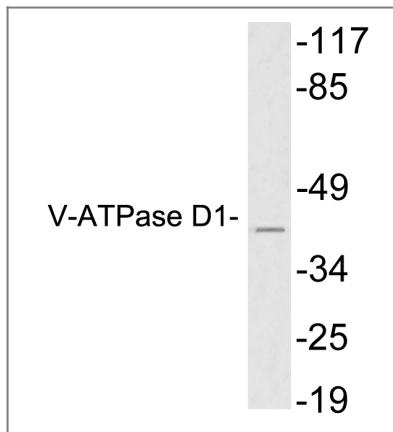
### Target Information

|                       |  |                        |                         |
|-----------------------|--|------------------------|-------------------------|
| Gene name             | ATP6V0D1   |                        |                         |
| Protein Name          | V-type proton ATPase subunit d 1   |                        |                         |
|                       | Organism   | Gene ID                | UniProt ID              |
|                       | Human  | <a href="#">9114;</a>  | <a href="#">P61421;</a> |
|                       | Mouse  | <a href="#">11972;</a> | <a href="#">P51863;</a> |
| Cellular Localization | Membrane ; Peripheral membrane protein ; Cytoplasmic side . Lysosome membrane ; Peripheral membrane protein . Cytoplasmic vesicle, clathrin-coated vesicle membrane ; Peripheral membrane protein . Localizes to centrosome and the base of the cilium. .  |                        |                         |
| Tissue specificity    | Ubiquitous.  |                        |                         |
| Function              | Function:Subunit of the integral membrane V0 complex of vacuolar ATPase. 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. May play a role in coupling of proton transport and ATP hydrolysis.,similarity:Belongs to the V-ATPase V0D/AC39 subunit family.,subunit:V-ATPase is an heteromultimeric enzyme composed of a peripheral catalytic V1 complex (components A to H) attached to an integral membrane V0 proton pore complex (components: a, c, c', c'' and d).,tissue specificity:Ubiquitous., |                        |                         |

Validation Data



Western Blot analysis of extracts from NIH-3T3, K562 cells, using V-ATPase D1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from HeLa cells, using V-ATPase D1 antibody.

## Contact information

Orders: [order@immunoway.com](mailto:order@immunoway.com)  
Support: [tech@immunoway.com](mailto:tech@immunoway.com)  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:  
**V-ATPase D1 Rabbit  
pAb**

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)