

# Anti ATP6V1A Antibody

Catalog No: tcsa24518



## Available Sizes

**Size:** 100μl



## Specifications

**Application:**

WB

**Species Reactivity:**

Human, Mouse

**Host Species:**

Rabbit

**Immunogen / Amino acids:**

A synthetic peptide of human ATP6V1A

**Conjugation:**

Unconjugated

**Clonality:**

Polyclonal

**Isotype:**

IgG

**Form:**

Liquid

**Storage Buffer:**

PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Recommended Dilution:**

WB 1:500 - 1:2000

### Storage Instruction:

Store at -20C. Avoid freeze / thaw cycles.

### Alternative Names:

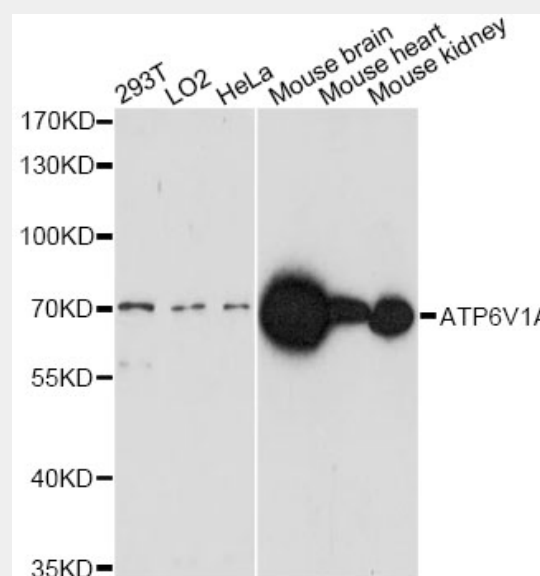
ATP6V1A antibody; V-type proton ATPase catalytic subunit A antibody; V-ATPase subunit A antibody; ATP6V1A antibody; ATP6A1 antibody; ATP6V1A1 antibody; VPP2 antibody

### SwissProt:

P38606

## Product Description

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is one of two V1 domain A subunit isoforms and is found in all tissues. Transcript variants derived from alternative polyadenylation exist.



Western blot analysis of extracts of various cell lines, using ATP6V1A antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 3min.

All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!