

# ATP6V1A Polyclonal antibody

Catalog Number: 51152-1-AP

## Basic Information

**Catalog Number:**

51152-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001690

**GeneID (NCBI):**

523

**UNIPROT ID:**

P38606

**Full Name:**

ATPase, H<sup>+</sup> transporting, lysosomal  
70kDa, V1 subunit A

**Calculated MW:**

68 kDa

**Observed MW:**

68 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Species Specificity:**

human, mouse

**Note-IHC:** suggested antigen retrieval with **TE buffer pH 9.0**; (\*) Alternatively, antigen retrieval may be performed with **citrate buffer pH 6.0**

**Positive Controls:**

**WB** : HeLa cells, HEK-293 cells, human brain tissue, mouse kidney tissue

**IHC** : human testis tissue,

## Background Information

The vacuolar-type H<sup>(+)</sup>-ATPase (V-ATPase) is responsible for the acidification of endosomes, lysosomes, and other intracellular organelles. It is also involved in hydrogen ion transport across the plasma membrane into the extracellular space. The V-ATPase is a multisubunit complex with cytosolic and transmembrane domains. The cytosolic catalytic domain consists of 3 A subunits and 3 B subunits, which bind and hydrolyze ATP, as well as regulatory accessory subunits. ATP6V1A is V-type proton ATPase catalytic subunit A. This antibody is specific to ATP6V1A.

## Storage

**Storage:**

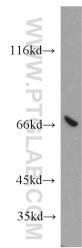
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

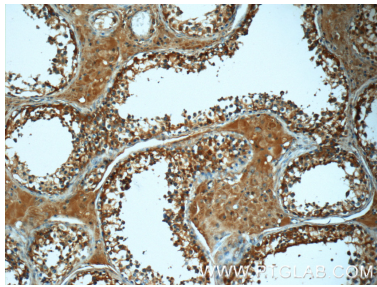
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

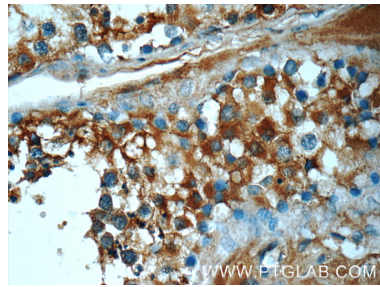
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 51152-1-AP (ATP6V1A antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 51152-1-AP (ATP6V1A Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 51152-1-AP (ATP6V1A Antibody) at dilution of 1:50 (under 40x lens).