

For Research Use Only

ATP6V1A Polyclonal antibody

Catalog Number:**51152-1-AP**



Basic Information

Catalog Number:	51152-1-AP	GenBank Accession Number:	NM_001690	Purification Method:	Antigen affinity purification
Size:	150ul , Concentration: 350 µg/ml by Nanodrop and 280 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI):	523	Recommended Dilutions:	WB 1:500-1:1000 IHC 1:20-1:200
Source:	Rabbit	Full Name:	ATPase, H ⁺ transporting, lysosomal 70kDa, V1 subunit A		
Isotype:	IgG	Calculated MW:	68 kDa		
		Observed MW:	68 kDa		

Applications

Tested Applications:	IHC, WB, ELISA	Positive Controls:	HeLa cells, HEK-293 cells, human brain tissue, mouse kidney tissue
Species Specificity:	human, mouse	IHC :	human testis tissue,
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0			

Background Information

The vacuolar-type H(+)-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

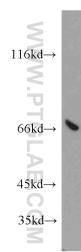
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
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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.

