

ATP6AP1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ATP6AP1.****Catalog # AT1239a****Specification**

ATP6AP1 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q15904
Other Accession	NM_001183
Reactivity	Human, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	52026

ATP6AP1 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 537**Other Names**

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, ATP6AP1, ATP6IP1, ATP6S1, VATPS1, XAP3

Target/Specificity

ATP6AP1 (NP_001174, 51 a.a. ~ 150 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

ATP6AP1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

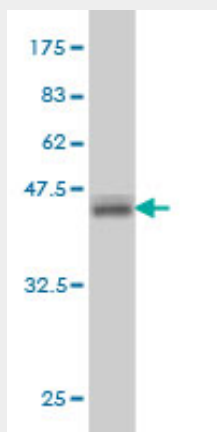
ATP6AP1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

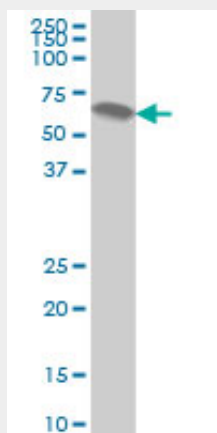
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

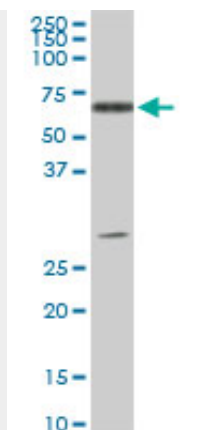
ATP6AP1 Antibody (monoclonal) (M01) - Images



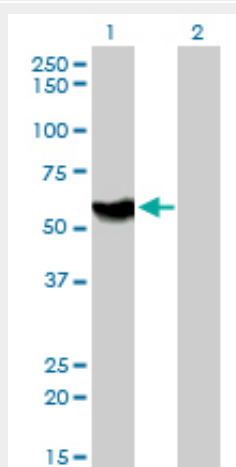
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



ATP6AP1 monoclonal antibody (M01), clone 3A2 Western Blot analysis of ATP6AP1 expression in HeLa (Cat # AT1239a)



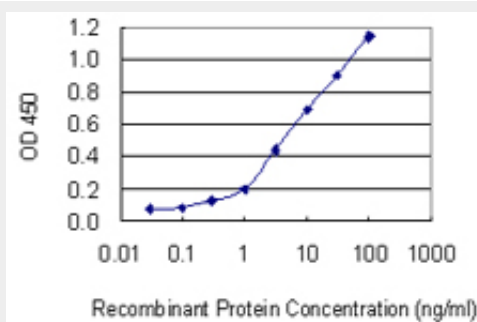
ATP6AP1 monoclonal antibody (M01), clone 3A2. Western Blot analysis of ATP6AP1 expression in PC-12 (Cat # AT1239a)



Western Blot analysis of ATP6AP1 expression in transfected 293T cell line by ATP6AP1 monoclonal antibody (M01), clone 3A2.

Lane 1: ATP6AP1 transfected lysate(52 KDa).

Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged ATP6AP1 is 0.1 ng/ml as a capture antibody.

ATP6AP1 Antibody (monoclonal) (M01) - Background

This gene encodes a component of a multisubunit enzyme (1 mDa MW) that mediates acidification of eukaryotic intracellular organelles. 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 is approximately 45 kD and may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules.

ATP6AP1 Antibody (monoclonal) (M01) - References

1. Vacuolar H⁺-ATPase subunit Voa1 and Voa2 cooperatively regulate secretory vesicle acidification, transmitter uptake and storage. Saw NM, Kang SY, Parsaud L, Han GA, Jiang T, Grzegorzczuk K, Surkont M, Sun-Wada GH, Wada Y, Li L, Sugita S. Mol Biol Cell. 2011 Jul 27. [Epub ahead of print]