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ATP6AP1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ATP6AP1.
Catalog # AT1239a

Product Information

Application	WB, E
Primary Accession	Q15904
Other Accession	NM_001183
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3A2
Calculated MW	52026

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.

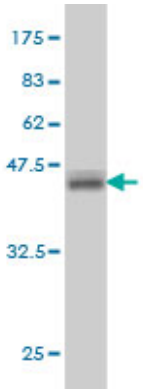
Background

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.

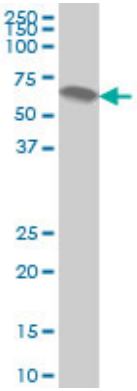
References

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, Grzegorczyk K, Surkont M, Sun-Wada GH, Wada Y, Li L, Sugita S.Mol Biol Cell. 2011 Jul 27. [Epub ahead of print]

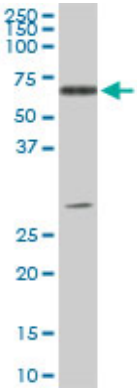
Images



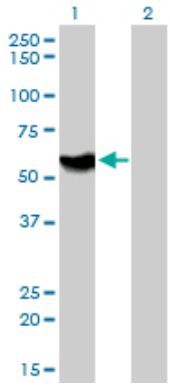
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



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



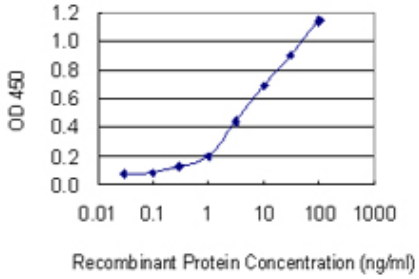
ATP6AP1 monoclonal antibody (M01), clone 3A2. Western Blot analysis of ATP6AP1 expression in PC-12 ((Cat # AT1239a)



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.