

Product Name: ATP6AP1 Mouse Monoclonal Antibody**Catalog #: AMM82743**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human, Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	52kDa

Antigen Information

Gene Name	ATP6AP1
Alternative Names	16A; CF2; Ac45; XAP3; XAP-3; ATP6S1; VATPS1; ATP6IP1
Gene ID	537.0
SwissProt ID	Q15904
Immunogen	Purified recombinant fragment of human ATP6AP1 (AA: 51-151) expressed in E. Coli.

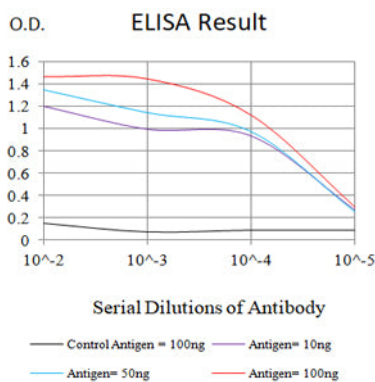
Background

This gene encodes a component of a multisubunit enzyme 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,

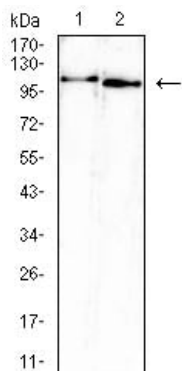
and receptor-mediated endocytosis. The encoded protein of this gene may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development.

Research Area

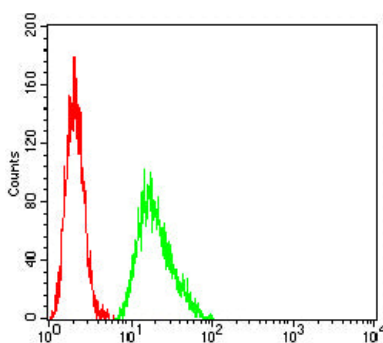
Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using ATP6AP1 mouse mAb against PC-3 (1), and Raw264.7 (2) cell lysate.



Flow cytometric analysis of HeLa cells using ATP6AP1 mouse mAb (green) and negative control (red).