

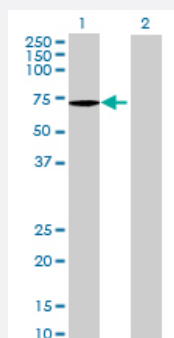
MaxPab®

ATP6AP1 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000537-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ATP6AP1 expression in transfected 293T cell line ([H00000537-T01](#)) by ATP6AP1 MaxPab polyclonal antibody.

Lane 1: ATP6AP1 transfected lysate (51.7 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human ATP6AP1 protein.
Immunogen	ATP6AP1 (NP_001174.2, 1 a.a. ~ 470 a.a) full-length human protein.
Sequence	MMAAMATARVRMGPRCAQALWRMPWLPVFLSLAAAAAAAAAEQQVPLVLWSSDRDLWAPAA DTHEGHITSDLQLSTYLDPALELGPRNVLLFLQDKLSIEDFTAYGGVFGNKQDSAFSNLENALDLA PSSLVLPVDWYAVSTLTYYLQEKLGASPLHVDLATLRELKLNASLPALLLIRLPYTASSGLMAPRE VLTGNDEVIGQVLSTLKSSEDVPYTAALTAVRPSRVARDVAVVAGGLGRQLLQKQPVSPVIHPPVS YNDTAPRILFWAQNFVSVAYKDQWEDLTPLTFGVQELNLGTSFWNDSFARLSLTYERLFGTTVTFK FILANRLYPVSARHWFTMERLEVHNSGVSAYFNASQVTGPSYSFHCYVSSLSKKGSLLVARTQP SPWQMMLQDFQIQAFNVMGEQFSYASDCASFFSPGIWMGLLTSLFMLFIFTYGLHMLSLKTMDR FDDHKGPTISLTQIV
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

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Lane 1: ATP6AP1 transfected lysate(51.7 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ATP6AP1

Entrez GeneID [537](#)

GeneBank Accession# [NM_001183.4](#)

Protein Accession# [NP_001174.2](#)

Gene Name ATP6AP1

Gene Alias 16A, ATP6IP1, ATP6S1, Ac45, CF2, MGC129781, VATPS1, XAP-3, XAP3

Gene Description ATPase, H⁺ transporting, lysosomal accessory protein 1

Omim ID [300197](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), subunit 1|ATPase, H⁺ transporting, lysosomal interacting protein 1|H-ATPase subunit|OTTHUMP00000032115|V-ATPase S1 accessory protein

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)

- [Lysosome](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)