

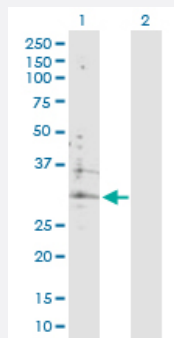
MaxPab®

ATP6V0B purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000533-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ATP6V0B expression in transfected 293T cell line ([H00000533-T04](#)) by ATP6V0B MaxPab polyclonal antibody.

Lane 1: ATP6V0B transfected lysate(21.40 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ATP6V0B protein.
Immunogen	ATP6V0B (NP_004038.1, 1 a.a. ~ 205 a.a) full-length human protein.
Sequence	MTGLALLYSGVFVAFWACALAVGVCYTIFDLGFRFDVAWFLTETSPFMWSNLGIGLAISLSVVGAA WGYITGSSIIIGGVKAPRIKTKNLVSIIFCEAVAIYGIIMAMISNMAEPFSATDPKAIGHRNYHAGYSMF GAGLTVGLSNLFCGVCVGIVGSGAALADAQNPSLFVKILVEIFGSAIGLFGVIVAILQTSRVKMGD
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (98)
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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[Protocol Download](#)

Gene Info — ATP6V0B

Entrez GeneID [533](#)

GeneBank Accession# [NM_004047.3](#)

Protein Accession# [NP_004038.1](#)

Gene Name ATP6V0B

Gene Alias ATP6F, HATPL, VMA16

Gene Description ATPase, H⁺ transporting, lysosomal 21kDa, V0 subunit b

Omim ID [603717](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is part of the transmembrane V0 domain and is the human counterpart of yeast VMA16. Two alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq]

Other Designations

ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) 21kD|ATPase, H⁺ transporting, lysosomal 21kDa, V0 subunit c''|H(+)-transporting two-sector ATPase, subunit F|OTTHUMP00000010012|V-ATPase subunit c''|vacuolar ATP synthase 21 kDa proteolipid subunit

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)