

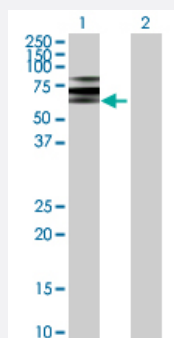
MaxPab®

ATP6V1B2 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000526-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1B2 expression in transfected 293T cell line ([H00000526-T01](#)) by ATP6V1B2 MaxPab polyclonal antibody.

Lane 1: ATP6V1B2 transfected lysate (56.40 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ATP6V1B2 protein.

Immunogen

ATP6V1B2 (AAH30640.1, 1 a.a. ~ 511 a.a) full-length human protein.

Sequence

MALRAMRGVNGAAPELPVPTGGPAVGAQEQALAVSRNYLSQPRLTYKTVSGVNGPLVILDHVKF
PRYAEIVHLTLPDGTKRSGQVLEVSGSKAVVQVFEGTSGIDAKKTSCEFTGDILRTPVSEDMGRV
FNGSGKPIDRGPVLAEDFLDIMGQPINPQCRYPEEMIRTGISAIDGMNSIARGQKIPFSAAGLPHN
EIAAQICRQAGLVKKSVDVYSEENFAMFAAMGVNMETARFFKSDFEENGSMNDVCLFLNLAN
DPTIERIITPRLALTAEFLAYQCEKHVLVILTMSSYAEALREVSAAREEVPGRRGFPGYMYTDLAT
IERAGRVGGRNGSITQIPILTMPNDDITHPIPDLTGYITEGQIVDRQLHNRQIYPPINVLPSLSRLMKS
AIGEGMTRKDHADVSNQLYACYAIGKDVQAMKAVVGEEALTSDDLLYLEFLQKFERNFIAQGPYE
NRTVFETLDIGWQLLRIFPKEMLKRIQSTLSEFYPRDSAKH

Host

Rabbit

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

- Western Blot (Transfected lysate)

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Lane 1: ATP6V1B2 transfected lysate(56.40 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ATP6V1B2

Entrez GeneID [526](#)

GeneBank Accession# [BC030640](#)

Protein Accession# [AAH30640.1](#)

Gene Name ATP6V1B2

Gene Alias ATP6B1B2, ATP6B2, HO57, VATB, VPP3, Vma2

Gene Description ATPase, H⁺ transporting, lysosomal 56/58kDa, V1 subunit B2

Omim ID [606939](#)

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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of two V1 domain B subunit isoforms and is the only B isoform highly expressed in osteoclasts. [provided by RefSeq]

Other Designations ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), beta polypeptide, 56/58kD, isoform 2|ATPase, H⁺ transporting, lysosomal 56/58kDa, V1 subunit B, isoform 2|H⁺ transporting two-sector ATPase|V-ATPase B2 subunit|endomembrane proton pump 58 kDa subu

Publication Reference

- [Rho2 palmitoylation is required for plasma membrane localization and proper signaling to the fission yeast cell integrity MAPK pathway.](#)

Sanchez-Mir L, Franco A, Martin-Garcia R, Madrid M, Vicente-Soler J, Soto T, Gacto M, Perez P, Cansado J.

Molecular and Cellular Biology 2014 Jul; 34(14):2745.

Application: WB-Ce, Yeast, Schizosaccharomyces pombe

Pathway

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

Disease

- [Tobacco Use Disorder](#)