

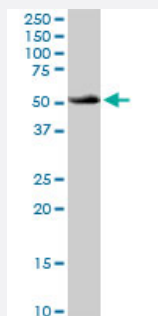
MaxPab®

ATP6V1B1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000525-D01P

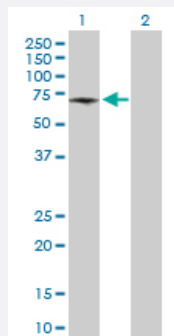
Size 100 ug

Applications



Western Blot (Tissue lysate)

ATP6V1B1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ATP6V1B1 expression in human kidney.



Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1B1 expression in transfected 293T cell line ([H00000525-T02](#)) by ATP6V1B1 MaxPab polyclonal antibody.

Lane 1: ATP6V1B1 transfected lysate(56.80 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human ATP6V1B1 protein.

Immunogen

ATP6V1B1 (NP_001683.2, 1 a.a. ~ 513 a.a) full-length human protein.

Sequence

MAMEIDSRPGGLPGSSCNLGAAREHMQAVTRNYTHPRVTYRTVCSVNGPLVVLDKFAQYAEI
VHFTLPDGTQRSGQVLEVAGTKAVQVFEGTSGIDARKTTCEFTGDLRTPVSEDMLGRVFNGSG
KPIDKGPVVM AEDFLDINGQPINPHSRIYPEEMIQTGISPIDVMNSIARGQKIPFSAAGLPHNEIAAQI
CRQAGLVKKSKAVLDYHDDNFAMFAAMGVNMETARFFKSDFEQNGTMGNVCLFLNLANPTIE
RIITPRLALTAEFLAYQCEKHVLVILTDMSSYAEALREVSAAREEVPGRRGFPGYMYTDLATYERA
GRVEGRGGSITQIPILTMPNDDITHPIPDLTGFITEGQIVDRQLHNRQIYPPINVLP SLSRLMKSAIGE
GMTRKDHGDVSNQLYACYAIGKDVQAMKAVVGEEALTSEDLLYLEFLQKFEKNFINQGPYENRSV
FESLDLGWKLRIIPKEMLKRIQAVIDEFYSREGALQDLAPDTAL

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 (Tissue lysate)

ATP6V1B1 MaxPab rabbit polyclonal antibody. Western Blot analysis of ATP6V1B1 expression in human kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1B1 expression in transfected 293T cell line ([H00000525-T02](#)) by ATP6V1B1 MaxPab polyclonal antibody.

Lane 1: ATP6V1B1 transfected lysate(56.80 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ATP6V1B1

Entrez GeneID	525
GeneBank Accession#	NM_001692.3
Protein Accession#	NP_001683.2
Gene Name	ATP6V1B1
Gene Alias	ATP6B1, MGC32642, RTA1B, VATB, VMA2, VPP3
Gene Description	ATPase, H ⁺ transporting, lysosomal 56/58kDa, V1 subunit B1
Omim ID	192132 267300
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 one of two V1 domain B subunit isoforms and is found in the kidney. Mutations in this gene cause distal renal tubular acidosis associated with sensorineural deafness. [provided by RefSeq]

Other Designations

H(+)-transporting two-sector ATPase, 58kD subunit|H+-ATPase beta 1 subunit|V-ATPase B1 subunit|endomembrane proton pump 58 kDa subunit|vacuolar proton pump 3|vacuolar proton pump, subunit 3

Pathway

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

Disease

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