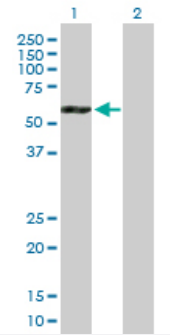
MaxPab®

ATP6V1B2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000526-B01P Size 50 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	Mouse 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	MALRAMRGIVNGAAPELPVPTGGPAVGAQEQALAVSRNYLSQPRLTYKTVSGVNGPLVILDHVKF PRYAEIVHLTLPDGTKRSGQVLEVSGSKAVVQVFEGTSGIDAKKTSCEFTGDILRTPVSEDMLGRV FNGSGKPIDRGPVVLAEDFLDIMGQPINPQCRIYPEEMIRTGISAIDGMNSIARGQKIPIFSAAGLPHN EIAAQICRQAGLVKKSKDVVDYSEENFAIVFAAMGVNMETARFFKSDFEENGSMDNVCLFLNLAN DPTIERIITPRLALTTAEFLAYQCEKHVLVILTDMSSYAEALREVSAAREEVPGRRGFPGYMYTDLAT IYERAGRVGGRNGSITQIPILTMPNDDITHPIPDLTGYITEGQIYVDRQLHNRQIYPPINVLPSLSRLMKS AIGEGMTRKDHADVSNQLYACYAIGKDVQAMKAVVGEEALTSDDLLYLEFLQKFERNFIAQGPYE NRTVFETLDIGWQLLRIFPKEMLKRIPQSTLSEFYPRDSAKH
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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  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 me diates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidific ation is necessary for such intracellular processes as protein sorting, zymogen activation, recepto r-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is compose d 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 A TP catalytic site. The protein encoded by this gene is one of two V1 domain B subunit isoforms a nd 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-sec tor ATPase|V-ATPase B2 subunit|endomembrane proton pump 58 kDa subu

Pathway

- Epithelial cell signaling in Helicobacter pylori infection
- Metabolic pathways
- Oxidative phosphorylation
- Vibrio cholerae infection

Disease

- Tobacco Use Disorder