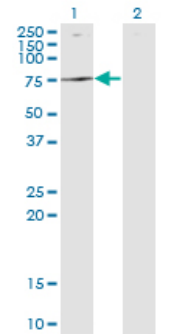
ATP6V1B2 monoclonal antibody (M05), clone 2A5

Catalog # H00000526-M05 Size 100 ug

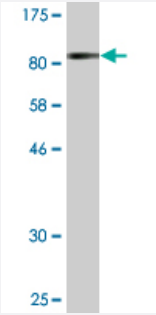
Applications



Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1B2 expression in transfected 293T cell line by ATP6V1B2 monoclonal antibody (M05), clone 2A5.

Lane 1: ATP6V1B2 transfected lysate (Predicted MW: 56.4 KDa).
Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (81.95 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ATP6V1B2.
Immunogen	ATP6V1B2 (AAH03100, 1 a.a. ~ 511 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MALRAMRGIVNGAAPELPVPTGGPAVGAREQALAVSRNYLSQPRLTYKTVSGVNGPLVILDHVKF PRYAEIVHLTLPDGTKRSGQVLEVSGSKAVVQVFEGTSGIDAKKTSCEFTGDILRTPVSEDMLGRV FNGSGKPIDRGPVVLAEDFLDIMGQPINPQCRIYPEEMIQTGISAIDGMNSIARGQKIPIFSAAGLPHN EIAAQICRQAGLVKKSKDVVDYSEENFAIVFAAMGVNMETARFFKSDFEENGSMDNVCLFLNLAN DPTIERIITPRLALTTAEFLAYQCEKHVLVILTDMSSYAEALREVSAAREEVPGRRGFPGYMYTDLAT IYERAGRVEGRNGSITQIPILTMPNDDITHPIPDLTGYITEGQIYVDRQLHNRQIYPPINVLPSLSRLMKS AIGEGMTRKDHADVSNQLYACYAIGKDVQAMKAVVGEEALTSDDLLYLEFLQKFERNFIAQGPYE NRTVFETLDIGWQLLRIFPKEMLKRIPQSTLSEFYPRDSAKH

Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (81.95 KDa) .
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)

  Western Blot analysis of ATP6V1B2 expression in transfected 293T cell line by ATP6V1B2 monoclonal antibody (M05), clone 2A5.

  Lane 1: ATP6V1B2 transfected lysate (Predicted MW: 56.4 KDa).
  Lane 2: Non-transfected lysate.

  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- ELISA

Gene Info — ATP6V1B2

Entrez GeneID	526
GeneBank Accession#	BC003100
Protein Accession#	AAH03100
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

Pathway

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

Disease

- Tobacco Use Disorder