

DNAxPAb

Hard-to-Find
Antibody

ATP6V1B1 DNAxPab

Catalog # H00000525-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP6V1B1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Extracellular membrane domain (ECD) human DNA
Host	Rabbit
Reactivity	Human
Purification	Protein A
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)
[Protocol Download](#)
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

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	<p>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]</p>
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](#)