DNAxPAb | Hard-to-Find Antibody

ATP6V1A DNAxPab

Catalog # H00000523-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP6V1A 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 — ATP6V1A

Entrez GeneID	523
GeneBank Accession#	BC013138.1
Protein Accession#	AAH13138
Gene Name	ATP6V1A
Gene Alias	ATP6A1, ATP6V1A1, HO68, VA68, VPP2, Vma1
Gene Description	ATPase, H+ transporting, lysosomal 70kDa, V1 subunit A
Omim ID	607027
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 A subunit isoforms and is found in all tissues. Transcript variants derived from alternative polyadenylation exist. [provided by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal 70kD, V1 subunit A, isoform 1|ATPase, H+ transporting, lysosomal, alpha polypeptide, 70kD, isoform 1|ATPase, H+ transporting, lysosomal, subunit A1|H(+)-transporting two-sector ATPase, subunit A|H+-transporting ATPase ch

Pathway

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