DNAxPAb | Hard-to-Find Antibody

ATP6V0E1 DNAxPab

Catalog # H00008992-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a partial-length human ATP6V0E1 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 — ATP6V0E1

Entrez GeneID	8992
GeneBank Accession#	NM_003945.3
Protein Accession#	NP_003936.1
Gene Name	ATP6V0E1
Gene Alias	ATP6H, ATP6V0E, M9.2, Vma21, Vma21p
Gene Description	ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1
Omim ID	603931
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 possibly part of the V0 subunit. Since two nontranscribed pseudogenes have been found in dog, it is possible that the localization to chromosome 2 for this gene by radiation hybrid mapping is representing a pseudogene. Genomic mapping puts the chromosomal location on 5q35.3. [provided by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal (vacuolar proton pump) 9kD|ATPase, H+ transporting, lysosomal 9kD V0 subunit M9.2|ATPase, H+ transporting, lysosomal 9kD V0 subunit e|ATPase, H+ transporting, lysosomal, 9kD|H(+)-transporting two-sector ATPase, subunit H

Pathway

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