ATP6V0A2 rabbit monoclonal antibody

Catalog # H00023545-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human ATP6V0A2 peptide using ARM Technology.
Immunogen	A synthetic peptide of human ATP6V0A2 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human ATP6V0A2 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — ATP6V0A2

Entrez GeneID	23545
GeneBank Accession#	ATP6V0A2
Gene Name	ATP6V0A2
Gene Alias	ARCL, ATP6N1D, ATP6a2, J6B7, Stv1, TJ6, TJ6M, TJ6s, Vph1, WSS, a2
Gene Description	ATPase, H+ transporting, lysosomal V0 subunit a2
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a subunit of the vacuolar ATPase (v-ATPase), an heteromulti meric enzyme that is present in intracellular vesicles and in the plasma membrane of specialized cells, and which is essential for the acidification of diverse cellular components. V-ATPase is com prised of a membrane peripheral V(1) domain for ATP hydrolysis, and an integral membrane V(0) domain for proton translocation. The subunit encoded by this gene is a component of the V(0) do main. Mutations in this gene are a cause of both cutis laxa type II and wrinkly skin syndrome. [provi ded by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal V0 subunit A2|infantile malignant osteopetrosis

Pathway

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