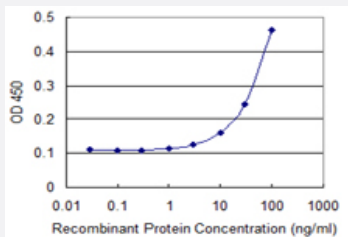


ATP6V0D1 monoclonal antibody (M19), clone 3B7

Catalog # H00009114-M19

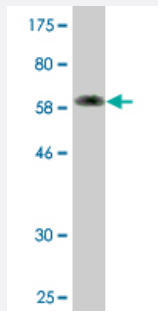
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP6V0D1 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (64.35 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ATP6V0D1.

Immunogen

ATP6V0D1 (AAH08861, 1 a.a. ~ 351 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MSFFPEHYFNVDNGYLEGLVRGLKAGVLSQADYLNLVQCETLEDLKLHLQSTDYGNFLANEASPL
TVSVIDDRLKEKMVVEFRHMRNHAYEPLASFLDFITYSYMIDNVILLITGTLHQRSIAELVPKCHPLGS
FEQMEAVNIAQTPAELYNAILVDTPLAAFFQDCISEQDLDEMNIIRNTLYKAYLESFYKFCTLLGGT
TADAMCPILEFEADRRAFIITNSFGTELKEDRAKLFPHCGRLYPEGLAQLARADDYEQVKNVADY
YPEYKLLFEGAGSNPGDKTLEDRFFEHEVKLNKLAFLNQFHFGVFYAFVKLKEQECRNIVWIAECI
AQRHRAKIDNYPIF

Host

Mouse

Reactivity	Human
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (64.35 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP6V0D1 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATP6V0D1

Entrez GeneID	9114
GeneBank Accession#	BC008861
Protein Accession#	AAH08861
Gene Name	ATP6V0D1
Gene Alias	ATP6D, ATP6DV, P39, VATX, VMA6, VPATPD
Gene Description	ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d1
Omim ID	607028
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 known as the D subunit and is found ubiquitously. [provided by RefSeq]

Other Designations

ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), member D|ATPase, H⁺ transporting, lysosomal 38kD, V0 subunit d|ATPase, H⁺ transporting, lysosomal, V0 subunit d1|H⁽⁺⁾-transporting two-sector ATPase, subunit D|V-ATPase 40 KDa accessory protein|V-

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Lysosome](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)