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Produktinformation

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- Diagnostik & molekulare Diagnostik
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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATP6V1B1 monoclonal antibody (M02), clone 3G11

Catalog # : H00000525-M02 **規格 :** [100 ug]

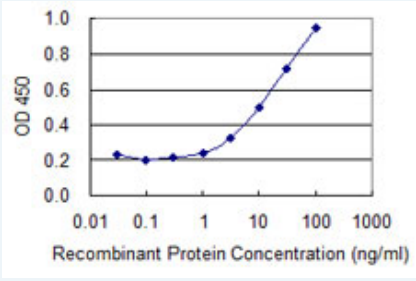
List All

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant ATP6V1B1.
Immunogen:	ATP6V1B1 (NP_001683.2, 1 a.a. ~ 75 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	MAMEIDSRPGGLPGSSCNLGAAREHMQAVTRNYITHPRVTYRTVCSVNG PLVVLDRVKFAQYAEIVHFTLPDGTQ
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2b Kappa
Quality Control Testing:	Antibody Reactive Against Recombinant Protein.
Storage Buffer:	In 1x PBS, pH 7.4
Storage Instruction:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
MSDS:	Download
Datasheet:	Download

Applications

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged ATP6V1B1 is 0.3 ng/ml as a capture antibody.

Protocol Download

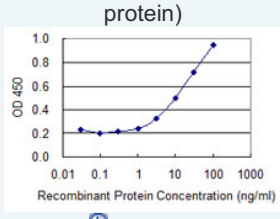
ELISA

Gene Information

Entrez GeneID:	525
GeneBank Accession#:	NM_001692

Application Image

Sandwich ELISA (Recombinant protein)



enlarge

ELISA

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:	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
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

Gene Pathway

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

Related Disease

Cardiovascular Diseases Diabetes Mellitus, Type 2 Edema Hypertension