ATP6V1G2 monoclonal antibody (M02), clone 2E11

Catalog # H00000534-M02 Size 100 ug

Applications



Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11 Western Blot analysis of ATP6V1G2 expression in HepG2 (Cat # L019V1).



Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11. Western Blot analysis of ATP6V1G2 expression in NIH/3T3 (Cat # L018V1).



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Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11. Western Blot analysis of ATP6V1G2 expression in PC-12 (Cat # L012V1).



Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11. Western Blot analysis of ATP6V1G2 expression in Raw 264.7 (Cat # L024V1).



Product Information



Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1G2 expression in transfected 293T cell line by ATP6V1G2 monoclonal antibody (M02), clone 2E11.

Lane 1: ATP6V1G2 transfected lysate(13.6 KDa). Lane 2: Non-transfected lysate.



Western Blot detection against Immunogen (34.32 KDa).

Specification	
Product Description	Mouse monoclonal antibody raised against a partial recombinant ATP6V1G2.
Immunogen	ATP6V1G2 (NP_569730, 41 a.a. ~ 118 a.a) partial recombinant protein with GST tag. MW of the G ST tag alone is 26 KDa.
Sequence	QMEVEQYRREREHEFQSKQQAAMGSQGNLSAEVEQATRRQVQGMQSSQQRNRERVLAQLLG MVCDVRPQVHPNYRISA
Host	Mouse
Reactivity	Human, Mouse, Rat
lsotype	lgG2b Lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.32 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

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Product Information

Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11 Western Blot analysis of ATP6V1G2 expression in HepG2 (Cat # L019V1).

Protocol Download

Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11. Western Blot analysis of ATP6V1G2 expression in NIH/3T3 (Cat # L018V1).

Protocol Download

Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11. Western Blot analysis of ATP6V1G2 expression in PC-12 (Cat # L012V1).

Protocol Download

• Western Blot (Cell lysate)

ATP6V1G2 monoclonal antibody (M02), clone 2E11. Western Blot analysis of ATP6V1G2 expression in Raw 264.7 (Cat # L024V1).

Protocol Download

Western Blot (Transfected lysate)

Western Blot analysis of ATP6V1G2 expression in transfected 293T cell line by ATP6V1G2 monoclonal antibody (M02), clone 2E11.

Lane 1: ATP6V1G2 transfected lysate(13.6 KDa). Lane 2: Non-transfected lysate.

Protocol Download

Western Blot (Recombinant protein)

Protocol Download

ELISA

Gene Info — ATP6V1G2		
Entrez GenelD	534	
GeneBank Accession#	<u>NM_130463</u>	

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Product Information

Protein Accession#	<u>NP_569730</u>
Gene Name	ATP6V1G2
Gene Alias	ATP6G, ATP6G2, NG38, VMA10
Gene Description	ATPase, H+ transporting, lysosomal 13kDa, V1 subunit G2
Omim ID	<u>606853</u>
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that me diates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent acidifi cation is necessary for such intracellular processes as protein sorting, zymogen activation, recept or-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is compos ed 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 contai ns the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Addi tional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or altern atively spliced transcript variants. This encoded protein is one of three V1 domain G subunit prote ins. This gene had previous gene symbols of ATP6G and ATP6G2. Alternatively spliced transcript variants have been described. [provided by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal (vacuolar proton pump) subunit G ATPase, H+ transporting, I ysosomal, V1 subunit G2 H(+)-transporting two-sector ATPase, subunit G2 OTTHUMP00000029 286 OTTHUMP00000036058 OTTHUMP00000036060 V-ATPase 13 kDa subunit 2 V-ATPa

Pathway

- Epithelial cell signaling in Helicobacter pylori infection
- <u>Metabolic pathways</u>
- Oxidative phosphorylation
- <u>Vibrio cholerae infection</u>

Disease

- <u>Cardiovascular Diseases</u>
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease

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- Lupus Erythematosus
- <u>Malaria</u>
- Tobacco Use Disorder