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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATP6V1E1 monoclonal antibody (M02), clone 4E11

Catalog # : H00000529-M02

規格 : [100 ug]

[List All](#)

Specification

Product Description: Mouse monoclonal antibody raised against a full-length recombinant ATP6V1E1.

Immunogen: ATP6V1E1 (AAH04443, 1 a.a. ~ 226 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

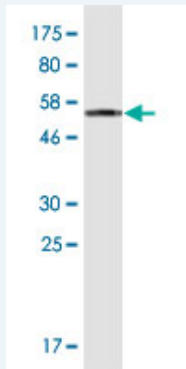
Sequence: MALSDADVQKQIKHMMAFIEQEANEKAEEDAKAEFEFNIKGRVLVQTQR
LKIMEYYEKKEKQIEQQKKIQMSNLMNQARLKVLRARDDLITDLLNEAKQR
LSKVVKDTTRYQVLLDGLVLQGLYQLLEPRMIVRCRKQDFPLVKAQVQK
AIPMYKIATKNDVDVQIDQESYLPEDIAGGVEIYNGDRKIKVSNTLESRLDLI
AQQMMPEVRGALFGANANRKFLD

Host: Mouse

Reactivity: Human

Isotype: IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (50.6 KDa) .

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](#)

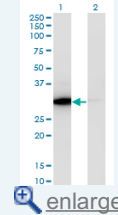
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

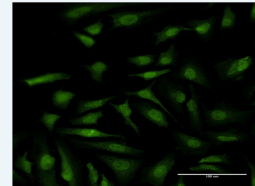
Application Image

Western Blot (Transfected lysate)

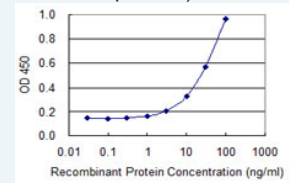


Western Blot (Recombinant protein)

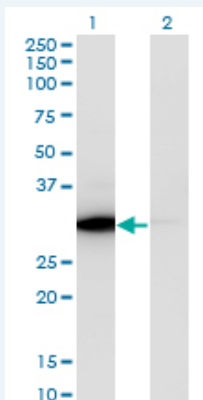
Immunofluorescence



Sandwich ELISA (Recombinant protein)



ELISA



Western Blot analysis of ATP6V1E1 expression in transfected 293T cell line by ATP6V1E1 monoclonal antibody (M02), clone 4E11.

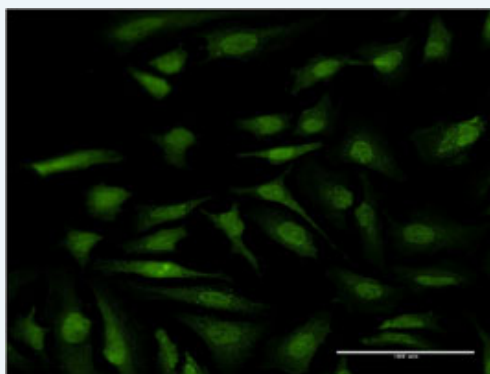
Lane 1: ATP6V1E1 transfected lysate(26.1 kDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

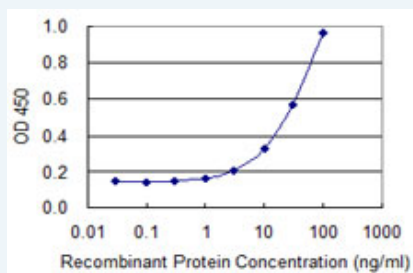


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to ATP6V1E1 on HeLa cell . [antibody concentration 10 ug/ml]

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Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged ATP6V1E1 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [529](#)

GeneBank [BC004443](#)

Accession#:

Protein [AAH04443](#)

Accession#:

Gene Name: ATP6V1E1

Gene Alias: ATP6E,ATP6E2,ATP6V1E,P31,Vma4

Gene Description: ATPase, H⁺ transporting, lysosomal 31kDa, V1 subunit E1

Omim ID: [108746](#)

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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain E subunit isoforms. Pseudogenes for this gene have been found in the genome. [provided by RefSeq]

Other Designations: ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) 31kD,H(+)-transporting two-sector ATPase, 31kDa subunit,H⁺-transporting ATP synthase chain E, vacuolar,V-ATPase, subunit E,vacuolar H⁺ ATPase E1

Gene Pathway

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

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