

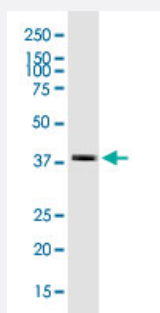
CX Grade

# ATP6V0D1 monoclonal antibody (M01J), clone 2G12

Catalog # H00009114-M01J

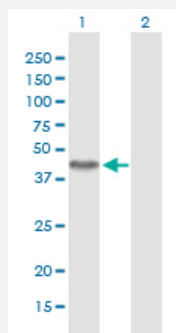
Size 50 ug

## Applications



### Western Blot (Cell lysate)

ATP6V0D1 monoclonal antibody (M01J), clone 2G12. Western Blot analysis of ATP6V0D1 expression in HeLa.

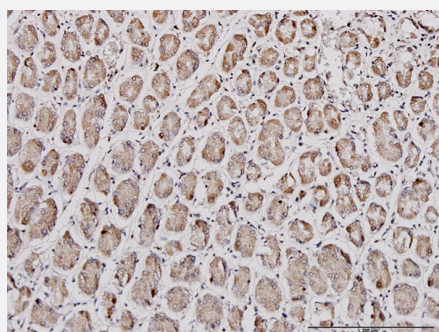


### Western Blot (Transfected lysate)

Western Blot analysis of ATP6V0D1 expression in transfected 293T cell line by ATP6V0D1 monoclonal antibody (M01J), clone 2G12.

Lane 1: ATP6V0D1 transfected lysate (Predicted MW: 40.3 KDa).

Lane 2: Non-transfected lysate.

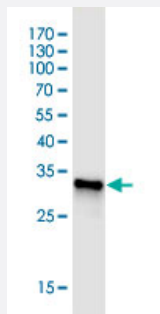
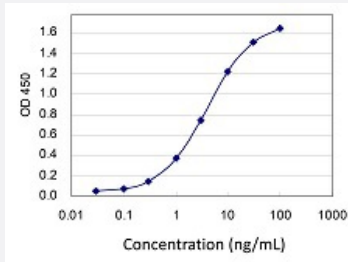


### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ATP6V0D1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

## Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP6V0D1 is 0.03 ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.55 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant ATP6V0D1. This product is belong to Cell Culture Grade Antibody (CX Grade).
<b>Immunogen</b>	ATP6V0D1 (NP_004682, 238 a.a. ~ 308 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	AKLFPHCGRLYPEGLAQLARADDYEQVKNVADYYPEYKLLFEGAGSNPGDKTLED RFFEHEVKL NKLAFLN
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Preparation Method</b>	Cell Culture Production
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.55 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

ATP6V0D1 monoclonal antibody (M01J), clone 2G12. Western Blot analysis of ATP6V0D1 expression in HeLa.

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- Western Blot (Transfected lysate)

Western Blot analysis of ATP6V0D1 expression in transfected 293T cell line by ATP6V0D1 monoclonal antibody (M01J), clone 2G12.

Lane 1: ATP6V0D1 transfected lysate (Predicted MW: 40.3 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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Immunoperoxidase of monoclonal antibody to ATP6V0D1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

[Protocol Download](#)

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[Protocol Download](#)

- ELISA

## Gene Info — ATP6V0D1

Entrez GeneID	<a href="#">9114</a>
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GeneBank Accession#	<a href="#">NM_004691</a>
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Protein Accession#	<a href="#">NP_004682</a>
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Gene Name	ATP6V0D1
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Gene Alias	ATP6D, ATP6DV, P39, VATX, VMA6, VPATPD
Gene Description	ATPase, H <sup>+</sup> transporting, lysosomal 38kDa, V0 subunit d1
Omim ID	<a href="#">607028</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>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]</p>
Other Designations	ATPase, H <sup>+</sup> transporting, lysosomal (vacuolar proton pump), member D ATPase, H <sup>+</sup> transporting, lysosomal 38kD, V0 subunit d ATPase, H <sup>+</sup> 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](#)