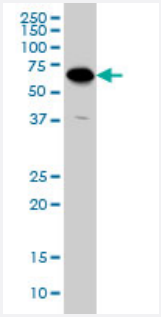
ATP6V1C2 monoclonal antibody (M01), clone 3D5

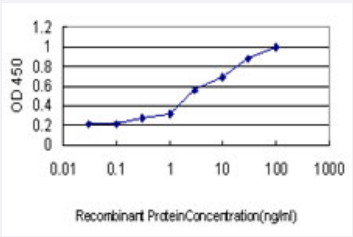
Catalog # H00245973-M01 Size 100 ug

Applications



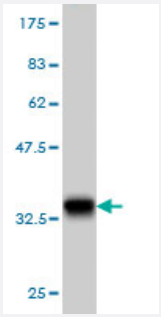
Western Blot (Cell lysate)

ATP6V1C2 monoclonal antibody (M01), clone 3D5 Western Blot analysis of ATP6V1C2 expression in HeLa (Cat # L013V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP6V1C2 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (33 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ATP6V1C2.

Immunogen	ATP6V1C2 (NP_653184, 188 a.a. ~ 253 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	VPKPNYSQWQKTYESLSDMVVPRSTKLITEDKEGGLFTVTLFRKVIEDFKTKAKENKFTVREFYYD
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (82); Rat (83)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33 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 (Cell lysate)

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  Protocol Download

- Western Blot (Recombinant protein)

  Protocol Download

- Sandwich ELISA (Recombinant protein)

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  Protocol Download

- ELISA

Gene Info — ATP6V1C2

Entrez GeneID	245973
GeneBank Accession#	NM_144583

Protein Accession#	NP_653184
Gene Name	ATP6V1C2
Gene Alias	ATP6C2, VMA5
Gene Description	ATPase, H+ transporting, lysosomal 42kDa, V1 subunit C2
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 C subunit isoforms. [provided by RefSeq
Other Designations	ATPase, H+ transporting, lysosomal 42kD, V1 subunit C|OTTHUMP00000115522|V-ATPase C2 subunit|vacuolar H+ ATPase C2

Pathway

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

Disease

- Tobacco Use Disorder