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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATP6V1A polyclonal antibody (A01)

Catalog # : H00000523-A01

規格 : [50 uL]

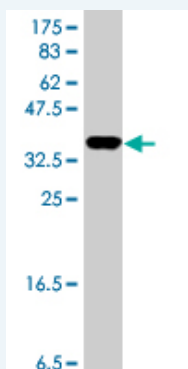
[List All](#)

Specification

Product Description:	Mouse polyclonal antibody raised against a partial recombinant ATP6V1A.
Immunogen:	ATP6V1A (NP_001681, 508 a.a. ~ 617 a.a) partial recombinant protein with GST tag.
Sequence:	TLEVAKLIKDDFLQQNGYTPYDRFCPFYKTVGMLSNMIAFYDMARRAVE TTAQSDNKITWSIIREHMGDILYKLSMKFKDPLKDGEAKIKSDYAQLLED MQNAFRSLED
Host:	Mouse
Reactivity:	Human

Quality Control Antibody Reactive Against Recombinant Protein.

Testing:



Western Blot detection against Immunogen (38.21 kDa) .

Storage Buffer: 50 % glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

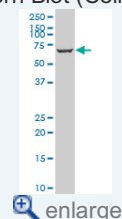
Datasheet: [Download](#)

Publication Reference

- [Actin filaments are involved in the coupling of V0-V1 domains of vacuolar H⁺-ATPase at the Golgi complex.](#)
Serra-Peinado C, Sicart A, Llopis J, Gustavo Egea G. The Journal of Biological Chemistry. 2016 Feb 12. [Epub ahead of print]
- [Regulated Assembly of the V-ATPase is Increased During Cluster Disruption-Induced Maturation of Dendritic Cells Through a PI-3 Kinase/mTOR-dependent Pathway.](#)
Lieberman R, Bond S, Shainheit MG, Stadecker MJ, Forgac MJ Biol Chem. 2013 Nov 22.
- [A Cytotoxic Type III Secretion Effector of Vibrio parahaemolyticus Targets Vacuolar H⁺-ATPase Subunit c and Ruptures Host Cell Lysosomes.](#)
Matsuda S, Okada N, Kodama T, Honda T, Iida T. PLoS Pathog. 2012 Jul;8(7):e1002803. Epub 2012 Jul 19.

Application Image

Western Blot (Cell lysate)



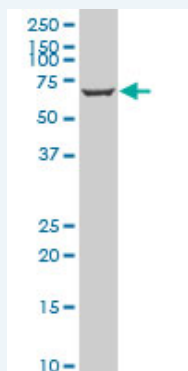
Western Blot (Recombinant protein)

ELISA

4. Inhibition of activated Stat3 reverses drug resistance to chemotherapeutic agents in gastric cancer cells.
Huang S, Chen M, Shen Y, Shen W, Guo H, Gao Q, Zou X. *Cancer Lett.* 2011 Oct 20. [Epub ahead of print]
5. Effects and mechanisms of proton pump inhibitors as a novel chemosensitizer on human gastric adenocarcinoma (SGC7901) cells.
Chen M, Zou X, Luo H, Cao J, Zhang X, Zhang B, Liu W. *Cell Biol Int.* 2009 Sep;33(9):1008-19. Epub 2009 Jun 6.

Applications

Western Blot (Cell lysate)



ATP6V1A polyclonal antibody (A01), Lot # 060717JCS1. Western Blot analysis of ATP6V1A expression in Daoy.

 [Protocol Download](#)

Western Blot (Recombinant protein)

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [523](#)

GeneBank [NM_001690](#)
Accession#:

Protein [NP_001681](#)
Accession#:

Gene Name: ATP6V1A

Gene Alias: ATP6A1,ATP6V1A1,HO68,VA68,VPP2,Vma1

Gene Description: ATPase, H⁺ transporting, lysosomal 70kDa, V1 subunit A

Omim ID: [607027](#)

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 A subunit isoforms and is found in all tissues.
Transcript variants derived from alternative polyadenylation exist.
[provided by RefSeq]

Other Designations: ATPase, H⁺ transporting, lysosomal 70kD, V1 subunit A, isoform
1,ATPase, H⁺ transporting, lysosomal, alpha polypeptide, 70kD, isoform
1,ATPase, H⁺ transporting, lysosomal, subunit A1,H(+)-transporting two-
sector ATPase, subunit A,H⁺-transporting ATPase ch

Gene Pathway

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

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