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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ATP5G1 monoclonal antibody (M01), clone 1A12

Catalog # : H00000516-M01

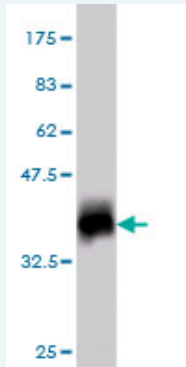
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a full length recombinant ATP5G1.
Immunogen:	ATP5G1 (AAH04963, 18 a.a. ~ 136 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	TRGLIRPVSASFLLSSPVNSSKQPSYSNFPLQVARREFQTSVVSIRDIDTAA KFIGAGAATVGVAGSGAGIGTVFGSLIIGYARNPSLKQQLFSYAILGFALS EAMGLFCLMVAFLILFAM
Host:	Mouse
Reactivity:	Human
Isotype:	IgG1 Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (38.83 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](#)

Publication Reference

1. [Neuronal cell surface ATP synthase mediates synthesis of extracellular ATP and regulation of intracellular pH.](#)
Xing SL, Yan J, Yu ZH, Zhu CQ. Cell Biol Int. 2010 Jul 14. [Epub ahead of print]

Applications

Western Blot (Recombinant protein)


[Protocol Download](#)

Sandwich ELISA (Recombinant protein)

Application Image

- Western Blot (Recombinant protein)
- Sandwich ELISA (Recombinant protein)
- ELISA

Detection limit for recombinant GST tagged ATP5G1 is approximately 3ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [516](#)

GeneBank Accession#: [BC004963](#)

Protein Accession#: [AAH04963](#)

Gene Name: ATP5G1

Gene Alias: ATP5A,ATP5G

Gene Description: ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit C1 (subunit 9)

Omim ID: [603192](#)

Gene Ontology: [Hyperlink](#)

Gene Summary: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene is one of three genes that encode subunit c of the proton channel. Each of the three genes have distinct mitochondrial import sequences but encode the identical mature protein. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq]

Other Designations: ATP synthase lipid-binding protein, mitochondrial,ATP synthase proteolipid P1,ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit C1,ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1,ATPase protein 9,AT

Gene Pathway

[Alzheimer's disease](#) [Huntington's disease](#) [Metabolic pathways](#) [Oxidative phosphorylation](#)
[Parkinson's disease](#)

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