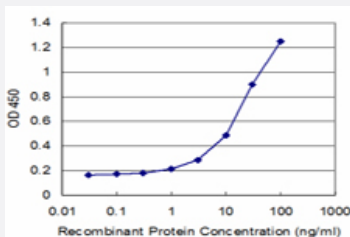


ATP5J monoclonal antibody (M02), clone 2F4

Catalog # H00000522-M02

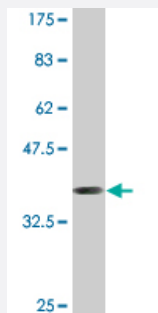
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP5J is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.62 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full-length recombinant ATP5J.
Immunogen	ATP5J (AAH01178, 1 a.a. ~ 108 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MILQRLFRFSSVIRSAVSVHLRRNIGVTAVAFNKELDPIQKLFVDKIREYKSKRQTSGGPVDASSEY QQELERELFKLKQMFGNADMNTFPTFKFEDPKFEVIEKPQA
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.62 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ATP5J is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ATP5J

Entrez GeneID

[522](#)

GeneBank Accession#

[BC001178](#)

Protein Accession#

[AAH01178](#)

Gene Name

ATP5J

Gene Alias

ATP5, ATP5A, ATPM, CF6, F6

Gene Description

ATP synthase, H⁺ transporting, mitochondrial F0 complex, subunit F6

Omim ID

[603152](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. It is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, F0, which comprises the proton channel. The F1 complex consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled in a ratio of 3 alpha, 3 beta, and a single representative of the other 3. The F0 seems to have nine subunits (a, b, c, d, e, f, g, F6 and 8). This gene encodes the F6 subunit of the F0 complex, required for F1 and F0 interactions. Alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000096107|OTTHUMP00000096108|OTTHUMP00000096110|OTTHUMP00000096111|OTTHUMP00000096112|mitochondrial ATP synthase, coupling factor 6|mitochondrial ATP synthase, subunit F6|mitochondrial ATPase coupling factor 6|proliferation-inducing protein 36

Pathway

- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Prostatic Neoplasms](#)