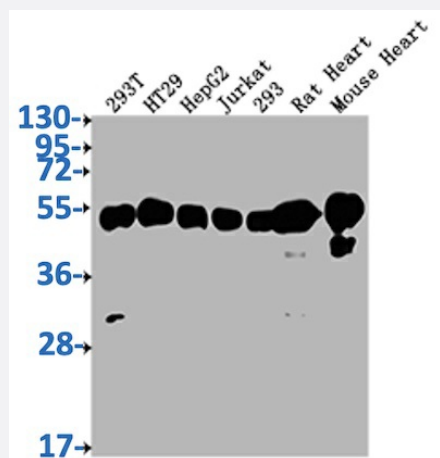


RecomAb™

ATP5B recombinant monoclonal antibody, clone 5F10

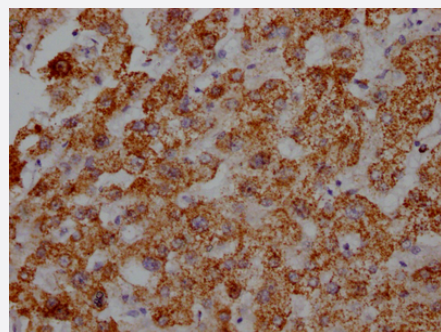
Catalog # RAB04072 Size 100 uL

Applications



Western Blot

Western Blot analysis of Lane 1: 293T whole cell lysate; Lane 2: HT29 whole cell lysate; Lane 3: HepG2 whole cell lysate; Lane 4: Jurkat whole cell lysate; Lane 5: 293 whole cell lysate; Lane 6: Rat Heart tissue; Lane 7: Mouse Heart tissue.



Immunohistochemistry

Immunohistochemistry image of ATP5B recombinant monoclonal antibody, clone 5F10 diluted at 1:100 and staining in paraffin-embedded human liver tissue performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human, mouse and rat ATP5B.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human ATP5B.
Reactivity	Human, Mouse, Rat

Form	Liquid
Purification	Affinity chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ATP5B

Entrez GeneID	506
Protein Accession#	P06576
Gene Name	ATP5B
Gene Alias	ATPMB, ATPSB, MGC5231
Gene Description	ATP synthase, H ⁺ transporting, mitochondrial F1 complex, beta polypeptide
Omim ID	102910

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 consists of three main subunits (a, b, c). This gene encodes the beta subunit of the catalytic core. [provided by RefSeq]

Other Designations

ATP synthase, H⁺ transporting, mitochondrial F1 complex, beta subunit|mitochondrial ATP synthetase, beta subunit

Pathway

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

Disease

- [Coronary Artery Disease](#)