

ATP5A1 Recombinant Mouse mAb

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Catalog # AP94569

Product Information

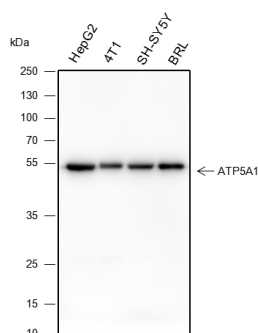
Application	WB, IHC-P, IHC-F, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG2b/Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Mitochondrion. Mitochondrion inner membrane.
SIMILARITY	Belongs to the eukaryotic ATPase subunit F6 family.
SUBUNIT	F-type ATPases have 2 components, CF(1) - the catalytic core - and CF(0) - the membrane proton channel. CF(0) seems to have nine subunits: a, b, c, d, e, f, g, F6 and 8 (or A6L).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	ATP5J (ATP synthase, H ⁺ transporting, mitochondrial F0 complex, subunit F6) is a multisubunit membrane-bound enzyme complex consisting of an F0 segment embedded in the membrane and an F1 segment attached to the F0. It is also a component of mitochondrial ATP synthase which is required for the interactions of the catalytic and proton-translocating segments. Human ATP5J shares 72% sequence identity with rat ATP5J. This signal peptide is rich in basic amino acids, devoid of acidic amino acids, and amphiphilic, which allows it to be water-soluble yet capable of passage through the phospholipid membrane bilayers. Moreover, it is circulating and functions as an endogenous vasoconstrictor by inhibiting cytosolic phospholipase A2.

Additional Information

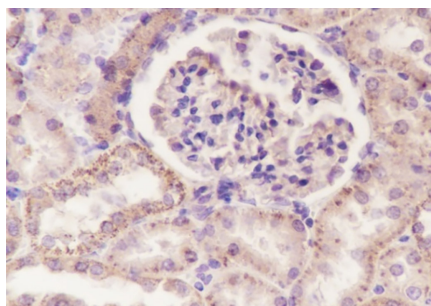
Dilution	WB=1:200-1:1000,IHC-P=1:100-500,IHC-F=,ICC/IF=1:20-1:100,IF=0
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Background

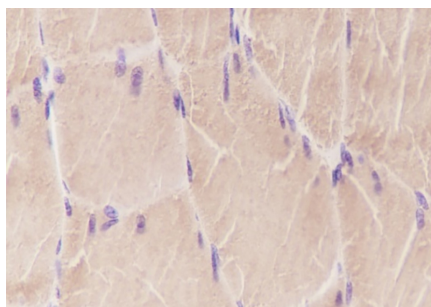
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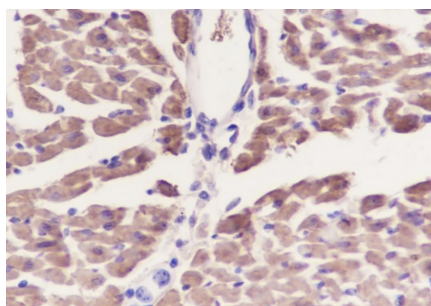
Blocking buffer: 5% NFDM/TBST Primary ab dilution: 1:1000 Primary ab incubation condition: 2 hours at room temperature Secondary ab: Goat Anti-Rabbit IgG H&L (HRP) Lysate: HepG2, 4T1, SH-SY5Y, BRL Protein loading quantity: 20 µg Exposure time: 3 s Predicted MW: 50 kDa Observed MW: 50 kDa



Tissue: Rat kidney Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94569



Tissue: Human skeletal muscle Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94569



Tissue: Mouse heart Section type: Formalin fixed & Paraffin -embedded section Retrieval method: High temperature and high pressure Retrieval buffer: Tris/EDTA buffer, pH 9.0 Primary ab dilution: 1:100 Primary ab incubation condition: 1 hour at room temperature Secondary ab: SP Kit(Mouse)(sp-0024) Counter stain: Hematoxylin (Blue) Comment: Color brown is the positive signal for AP94569

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.