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Datasheet for ABIN1711599

anti-ATP5G2 antibody (AA 67-141) (HRP)

Overview

Quantity:	100 µL
Target:	ATP5G2
Binding Specificity:	AA 67-141
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ATP5G2 antibody is conjugated to HRP
Application:	ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ATP5G2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	ATP5G2
Alternative Name:	ATP5G2 (ATP5G2 Products)
Background:	Synonyms: ATP5A, ATP synthase F(0) complex subunit C2, mitochondrial, ATP synthase lipid-

Target Details

binding protein, ATP synthase proteolipid P2, ATP synthase proton-transporting mitochondrial F(0) complex subunit C2, ATPase protein 9, ATPase subunit c, ATP5G2, PSEC0033

Background: Mitochondrial membrane ATP synthase (F(1)F(0) ATP synthase or Complex V) produces ATP from ADP in the presence of a proton gradient across the membrane which is generated by electron transport complexes of the respiratory chain. F-type ATPases consist of two structural domains, F(1) - containing the extramembraneous catalytic core and F(0) - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F(1) is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F(0) domain. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.

Gene ID: 517

UniProt: [Q06055](#)

Pathways: [Proton Transport](#), [Ribonucleoside Biosynthetic Process](#)

Application Details

Application Notes: IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months