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Anti-ATP5I Antibody

Catalog Number: A12418-1

About ATP5I

Mitochondrial membrane ATP synthase (F1F0 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, F1 - containing the extramembraneous catalytic core, and F0 - containing the membrane proton channel, linked together by a central stalk and a peripheral stalk. During catalysis, ATP synthesis in the catalytic domain of F1 is coupled via a rotary mechanism of the central stalk subunits to proton translocation. Part of the complex F0 domain. Minor subunit located with subunit a in the membrane.

Fujiwara T., Submitted (NOV-1997) to the EMBL/GenBank/DDBJ databases.
Kalnine N., Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
The MGC Project Team, Genome Res. 14:2121-2127(2004).

Overview

Product Name	Anti-ATP5I Antibody
Reactive Species	Human
Description	Boster Bio Anti-ATP5I Antibody catalog # A12418-1. Tested in ELISA, IHC, WB applications. This antibody reacts with Human.
Application	ELISA, IHC, WB
Clonality	Polyclonal
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q06185

Technical Details

Immunogen	Synthesized peptide derived from human ATP5I
Predicted Reactive Species	Chimpanzee, Drosophila, Macaque
Isotype	IgG
Form	Liquid
Concentration	1 mg/ml

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Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB 1:500-1:2000 IHC 1:100-1:300 ELISA 1:20000

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Anti-ATP5I Antibody (A12418-1) Images

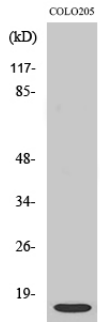

Figure 1. Western blotting validation for Anti-ATP5I Antibody A12418-1

Western Blot (WB) analysis of specific cells using ATP5I polyclonal antibody.
Electrophoresis was performed on a SDS-PAGE gel. To determine SDS-PAGE gel concentration

Anti-ATP5I Antibody