KINESISDx

TECHNICAL DATA SHEET

Cat No: Kab00703

Product Particulars: anti-ATP5A1-antibody

Pack Size: 100µg

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Purify: Protein A+G purification

Host: Mouse

Isotype: IgG1

Storage: PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20℃ for 24 months (Avoid repeated freeze / thaw cycles.)

Background (Function): 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. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits. Subunit alpha does not bear the catalytic high-affinity ATP-binding sites (By similarity).

Immunogen: ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit 1, cardiac muscle

Synonyms: ATP5A, ATP5AL2, ATPM

Calculated MW:

Uniprot ID: P25705

Specificity: Human, Mouse ,Rat, Monkey

Tested Application: ELISA,IHC,IF,WB,FC

Recommended Dilution:

Gene ID: 498

Gene Location:

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

OUR KINESISDX COMMITMENT : GUARANTEED QUALITY WITH EXPERT TECHNICAL SUPPORT