

Datasheet for ABIN7144855 anti-ATP5F1D antibody (AA 32-158) (HRP)



Overview

| Quantity: | 100 µg |
|----------------------|--|
| Target: | ATP5F1D |
| Binding Specificity: | AA 32-158 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This ATP5F1D antibody is conjugated to HRP |
| Application: | ELISA |

Product Details

| Immunogen: | Recombinant Human ATP synthase subunit delta, mitochondrial protein (32-158AA) |
|-------------------|--|
| lsotype: | lgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| Target: | ATP5F1D |
|-------------------|---|
| Alternative Name: | ATP5F1D (ATP5F1D Products) |
| Background: | Background: 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 |

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| | 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 turnover in the catalytic domain of F1 is coupled via a rotary |
| | mechanism of the central stalk subunits to proton translocation. Part of the complex F1 |
| | domain and of the central stalk which is part of the complex rotary element. Rotation of the |
| | central stalk against the surrounding alpha3beta3 subunits leads to hydrolysis of ATP in three |
| | separate catalytic sites on the beta subunits. |
| | Aliases: ATP synthase subunit delta, mitochondrial antibody, ATP synthase subunit delta, |
| | mitochondrial antibody, ATP synthase, H+ transporting, mitochondrial F1 complex, delta |
| | subunit antibody, ATP5D antibody, ATPD_HUMAN antibody, F ATPase delta subunit antibody, F- |
| | ATPase delta subunit antibody, Mitochondrial ATP synthase complex delta subunit precusor |
| | antibody, Mitochondrial ATP synthase delta subunit antibody |
| UniProt: | P30049 |
| Pathways: | Proton Transport, Ribonucleoside Biosynthetic Process |
| Application Details | |
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Buffer: | Preservative: 0.03 % Proclin 300 |
| | Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4 |
| Preservative: | ProClin |

| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be |
|--------------------|--|
| | handled by trained staff only. |
| Storage: | -20 °C,-80 °C |

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.