

ATP5D Polyclonal Antibody

Description

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|--------------------------------|--|
| Product type | Primary Antibody |
| Code | BT-AP00735 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human ATP5D. AA range:61-110 |
| Mol wt | 17490 |
| Species reactivity | Human, Mouse, Rat |
| Clonality | Polyclonal |
| Recommended application | IHC-p, IF, ELISA |
| Concentration | 1 mg/ml |
| Full name | ATP5D Antibody |
| Synonyms | ATP5D; ATP synthase subunit delta; mitochondrial; F-ATPase delta subunit |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

ATP5D (ATP synthase, H⁺ transporting, mitochondrial F1 complex, delta subunit) encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). ATP5D encodes the delta subunit of the catalytic core. Alternatively spliced transcript variants encoding the same isoform have been identified.

Recommended Dilution

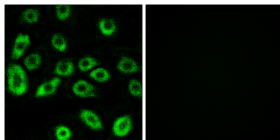
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

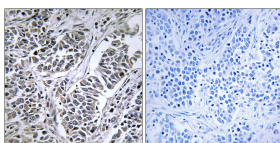
ELISA: 1: 20000

Not yet tested in other applications.

Images



Immunofluorescence analysis of A549 cells, using ATP5D Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ATP5D Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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