

ATP5D Antibody

Rabbit Polyclonal Antibody Catalog # ALS16863

Specification

ATP5D Antibody - Product Information

Application IHC Primary Accession P30049 Other Accession 513 Reactivity Human Host **Rabbit** Clonality **Polyclonal** Isotype **IgG** Calculated MW 17490

ATP5D Antibody - Additional Information

Gene ID 513

Other Names

ATP5D, F-ATPase delta subunit

Target/Specificity Human ATP5D

Reconstitution & Storage

PBS, pH 7.4, 0.03% Proclin 300, 50% glycerol. Aliquot and store at -20°C or -80°C. Avoid freeze-thaw cycles.

Precautions

ATP5D Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

ATP5D Antibody - Protein Information

Name ATP5F1D (HGNC:837)

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 (PubMed:29478781). 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 turnover 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(1) domain and of the central stalk which is part of the complex rotary element. 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 (PubMed:<a



href="http://www.uniprot.org/citations/1531933" target=" blank">1531933).

Cellular Location

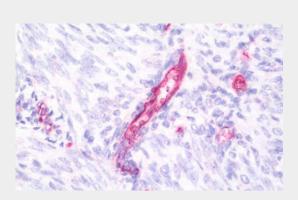
Mitochondrion. Mitochondrion inner membrane.

ATP5D Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ATP5D Antibody - Images



Anti-ATP5D antibody IHC staining of human uterus, endometrium.

ATP5D Antibody - Background

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ATP5D Antibody - References

Jordan E.M., et al. Biochim. Biophys. Acta 1130:123-126(1992). Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases. Grimwood J., et al. Nature 428:529-535(2004). Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases. Hochstrasser D.F., et al. Electrophoresis 13:992-1001(1992).