

Anti-ATP5H Antibody
Rabbit polyclonal antibody to ATP5H
Catalog # AP60540

Specification

Anti-ATP5H Antibody - Product Information

Application	WB, IH
Primary Accession	O75947
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18491

Anti-ATP5H Antibody - Additional Information

Gene ID 10476

Other Names

ATP synthase subunit d mitochondrial; ATPase subunit d

Target/Specificity

Recognizes endogenous levels of ATP5H protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

IH~~WB (1/500 - 1/1000), IH (1/100 - 1/200)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-ATP5H Antibody - Protein Information

Name ATP5PD ([HGNC:845](#))

Synonyms ATP5H

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. Part of the complex F(0) domain and the peripheral stalk, which

acts as a stator to hold the catalytic $\alpha(3)\beta(3)$ subcomplex and subunit a/ATP6 static relative to the rotary elements.

Cellular Location

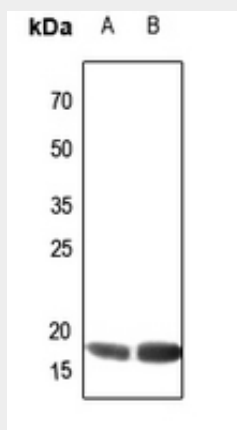
Mitochondrion. Mitochondrion inner membrane.

Anti-ATP5H Antibody - Protocols

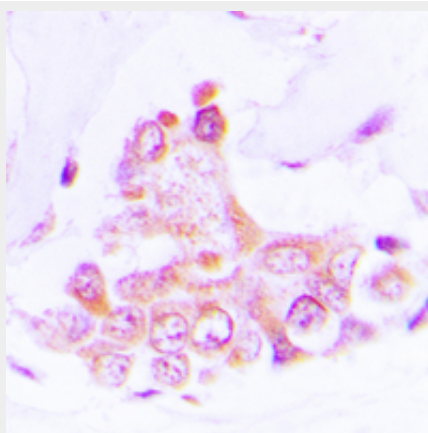
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ATP5H Antibody - Images



Western blot analysis of ATP5H expression in HeLa (A), HGC27 (B) whole cell lysates.



Immunohistochemical analysis of ATP5H staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room

temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Anti-ATP5H Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human ATP5H. The exact sequence is proprietary.