

ATP5G2 Antibody (aa1-50)
Rabbit Polyclonal Antibody
Catalog # ALS15497**Specification**

ATP5G2 Antibody (aa1-50) - Product Information

Application	IHC
Primary Accession	Q06055
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	15kDa KDa

ATP5G2 Antibody (aa1-50) - Additional Information**Gene ID** 517**Other Names**

ATP synthase F(0) complex subunit C2, mitochondrial, ATP synthase lipid-binding protein, ATP synthase proteolipid P2, ATP synthase proton-transporting mitochondrial F(0) complex subunit C2, ATPase protein 9, ATPase subunit c, ATP5G2

Target/Specificity

ATP5G2 Antibody detects endogenous levels of total ATP5G2 protein.

Reconstitution & Storage

Store at -20°C for up to one year.

Precautions

ATP5G2 Antibody (aa1-50) is for research use only and not for use in diagnostic or therapeutic procedures.

ATP5G2 Antibody (aa1-50) - Protein Information**Name** ATP5MC2 ([HGNC:842](#))**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. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.

Cellular Location

Mitochondrion membrane; Multi-pass membrane protein

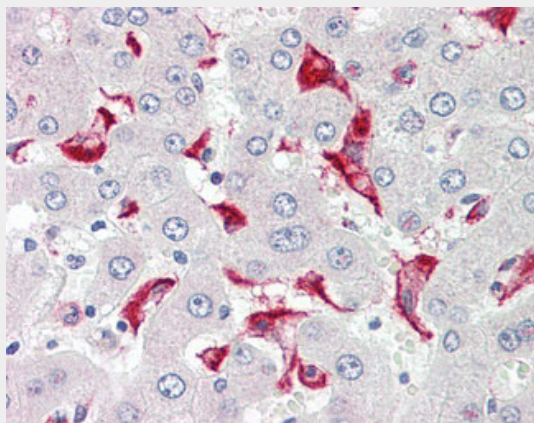
Volume
50 μ l

ATP5G2 Antibody (aa1-50) - Protocols

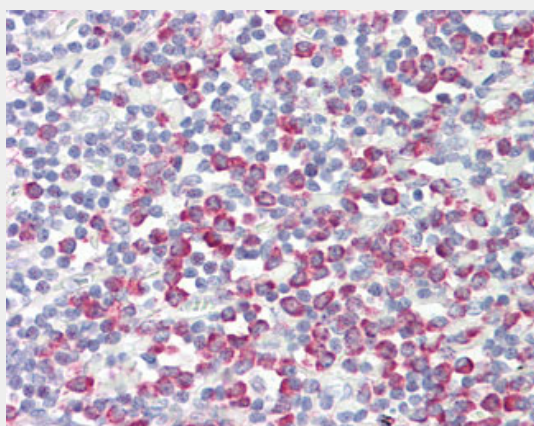
Provided below are standard protocols that you may find useful for product applications.

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

ATP5G2 Antibody (aa1-50) - Images



Anti-ATP5G2 antibody IHC of human liver.



Anti-ATP5G2 antibody IHC of human tonsil.

ATP5G2 Antibody (aa1-50) - Background

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- 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. A homomeric c-ring of probably 10 subunits is part of the complex rotary element.

ATP5G2 Antibody (aa1-50) - References

- Dyer M.R.,et al.Biochem. J. 293:51-64(1993).
Higuti T.,et al.Biochim. Biophys. Acta 1173:87-90(1993).
Otsuki T.,et al.DNA Res. 12:117-126(2005).
Scherer S.E.,et al.Nature 440:346-351(2006).
Farrell L.B.,et al.Biochem. Biophys. Res. Commun. 144:1257-1264(1987).