

Summary

Production Name	ATP5S Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ATP5S
Alternative Names	ATP5S; ATPW; ATP synthase subunit s; mitochondrial; ATP synthase-coupling factor B; FB; Mitochondrial ATP synthase regulatory component factor B
Gene ID	27109.0
SwissProt ID	Q99766.The antiserum was produced against synthesized peptide derived from human ATP5S. AA range:21-70

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	23kD

Product Name: ATP5S Rabbit Polyclonal Antibody
Catalog #: APRab07340

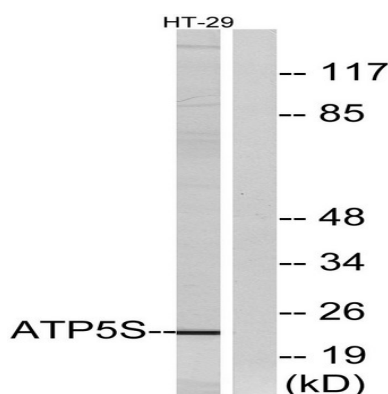


Background

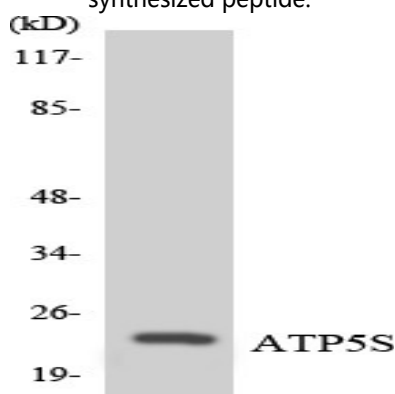
This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, utilizing an electrochemical gradient of protons across the inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F₁, and the membrane-spanning component, F_o, comprising the proton channel. This gene encodes the subunit s, also known as factor B, of the proton channel. This subunit is necessary for the energy transduction activity of the ATP synthase complexes. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008],caution:It is uncertain whether Met-1 or Met-16 is the initiator.,function:Involved in regulation of mitochondrial membrane ATP synthase. Necessary for H(+) conduction of ATP synthase.,similarity:Belongs to the ATP synthase subunit s family.,subunit:Monomer. Associates with ATP synthase.,

Research Area

Image Data



Western blot analysis of lysates from HT-29 cells, using ATP5S Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from K562 cells using ATP5S antibody.

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Western Blot analysis of various cells using ATP5S Polyclonal Antibody

Note

For research use only.