

ATP5S Polyclonal Antibody

Catalog No. E-AB-30605

Note: Centrifuge before opening to ensure complete recovery of vial contents.

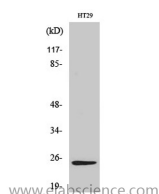
Description

Reactivity	Human,Mouse
Immunogen	Synthesized peptide derived from the Internal region of human ATP5S
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	PBS with 0.02% sodium azide,0.5% protective protein and 50% glycerol pH 7.4.

Applications Recommended Dilution

WB	1:500-1:2000
ELISA	1:10000

Data



Western Blot analysis of HT29 cells with ATP5S
Polyclonal Antibody.
Observed Mw:23kDa
Calculated Mw:25kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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, Fo, 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. ATP5S (ATP Synthase, H⁺ Transporting, Mitochondrial Fo Complex Subunit S (Factor B)) is a Protein Coding gene. Among its related pathways are Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling proteins. and purine nucleotides de novo biosynthesis. GO annotations related to this gene include hydrogen ion transmembrane transporter activity. An important paralog of this gene is ATP5SL.

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