



ATP5S Polyclonal Antibody

Catalog No	BYab-16393
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	ATP5S
Protein Name	ATP synthase subunit s mitochondrial
Immunogen	The antiserum was produced against synthesized peptide derived from human ATP5S. AA range:21-70
Specificity	ATP5S Polyclonal Antibody detects endogenous levels of ATP5S protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ATP5S; ATPW; ATP synthase subunit s; mitochondrial; ATP synthase-coupling factor B; FB; Mitochondrial ATP synthase regulatory component factor B
Observed Band	23kD
Cell Pathway	Mitochondrion . Mitochondrion inner membrane .
Tissue Specificity	Brain,Hippocampus,Uterus,
Function	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.,
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

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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],

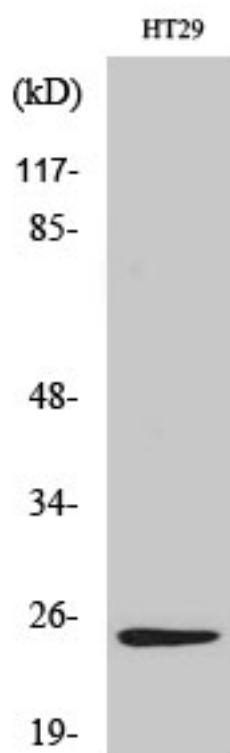
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

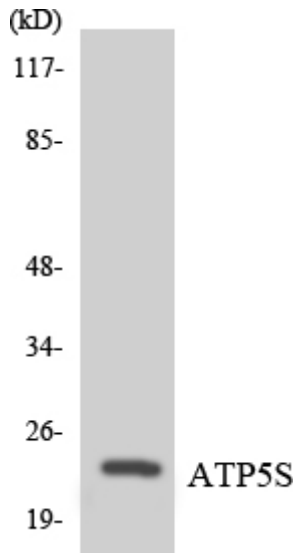


Western Blot analysis of various cells using ATP5S Polyclonal Antibody



H⁺

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.