



ATPB mouse mAb

Catalog No	YP-mAb-18197
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ATP5B ATPMB ATPSB
Immunogen	Synthesized peptide derived from human ATPB
Specificity	This antibody detects endogenous levels of ATPB at Human, Mouse,Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	EC:7.1.2.2;ATPSB;ATPMB;ATP5F1B;ATP5B;ATP5B ATPMB ATPSB;ATP synthase subunit beta;mitochondrial (EC 3.6.3.14); mitochondrial (EC 3.6.3.14)
Observed Band	45-57 kDa
Calculated Molecular Weight	529 aa, 57 kDa
Cell Pathway	Mitochondrion inner membrane ; Peripheral membrane protein ; Matrix side .
Tissue Specificity	
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. Subunits alpha and beta form the catalytic core in F(1). Rotation of the central stalk against the surrounding alpha(3)beta(3) subunits leads to hydrolysis of ATP in three separate catalytic sites on the beta subunits.



Background

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