



ATPIF1 Mouse mAb

Catalog No	YP-mAb-19134
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ATPIF1 ATP1
Immunogen	Synthesized peptide derived from human ATPIF1
Specificity	This antibody detects endogenous levels of ATPIF1 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 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IP;ATPI;ATPIP;ATPIF1;F1;ATPIF1 ATP1;ATPase inhibitor;mitochondrial (Inhibitor of F(1)F(o)-ATPase) (IF(1)) (IF1); mitochondrial (Inhibitor of F(1)F(o)-ATPase) (IF(1)) (IF1)
Observed Band	12kDa
Calculated Molecular Weight	12kDa
Cell Pathway	Mitochondrion .
Tissue Specificity	
Function	Endogenous F(1)F(o)-ATPase inhibitor limiting ATP depletion when the mitochondrial membrane potential falls below a threshold and the F(1)F(o)-ATP synthase starts hydrolyzing ATP to pump protons out of the mitochondrial matrix. Required to avoid the consumption of cellular ATP when the F(1)F(o)-ATP synthase enzyme acts as an ATP hydrolase. Indirectly acts as a regulator of heme synthesis in erythroid tissues: regulates heme synthesis by modulating the mitochondrial pH and redox potential, allowing FECH to efficiently catalyze the incorporation of iron into protoporphyrin IX to produce heme.
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

