

ATPIF1 rabbit pAb

Catalog No :	YN6338
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	ATP5IF1
Gene Name :	ATPIF1 ATP1
Protein Name :	ATPase inhibitor, mitochondrial (Inhibitor of F(1)F(o)-ATPase) (IF(1)) (IF1)
Human Gene Id :	93974
Human Swiss Prot No :	Q9UII2
Mouse Gene Id :	11983
Mouse Swiss Prot No :	O35143
Rat Gene Id :	25392
Rat Swiss Prot No :	Q03344
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 :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)**Molecularweight :** 12kD

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.

Subcellular Location : Mitochondrion .

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