



AK3L1 Mouse mAb

Catalog No	YP-mAb-19544
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	AK4 AK3 AK3L1
Immunogen	Synthesized peptide derived from human AK3L1. AA range:44-114
Specificity	This antibody detects endogenous levels of AK3L1 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	-15°C to -25°C/1 year(Do not lower than -25°C)
Synonyms	AK4 AK3 AK3L1;Adenylate kinase isoenzyme 4, mitochondrial (ATP-AMP transphosphorylase) (Adenylate kinase 3-like)
Observed Band	
Calculated Molecular Weight	25kD
Cell Pathway	Mitochondrion matrix .
Tissue Specificity	Highly expressed in kidney , moderately expressed in heart and liver and weakly expressed in brain.
Function	Involved in maintaining the homeostasis of cellular nucleotides by catalyzing the interconversion of nucleoside phosphates . Efficiently phosphorylates AMP and dAMP using ATP as phosphate donor , but phosphorylates only AMP when using GTP as phosphate donor . Also displays broad nucleoside diphosphate kinase activity . Plays a role in controlling cellular ATP levels by regulating phosphorylation and activation of the energy sensor protein kinase AMPK . Plays a protective role in the cellular response to oxidative stress .
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