



CKB/CKM Mouse mAb

Catalog No	YP-mAb-18425
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	CKB CKBB
Protein Name	Synthesized peptide derived from human CKB/CKM
Immunogen	This antibody detects endogenous levels of CKB/CKM at Human, Mouse,Rat
Specificity	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Formulation	
Source	WB 1:500-2000
Purification	1 mg/ml
Dilution	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	42kD
Observed Band	
Cell Pathway	
Tissue Specificity	
Function	Cytoplasm, cytosol . Mitochondrion . Localizes to the mitochondria of thermogenic fat cells via the internal MTS-like signal (iMTS-L) region. .
Background	Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate) . Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa (Probable). Acts as a key regulator of adaptive thermogenesis as part of the futile creatine cycle: localizes to the mitochondria of thermogenic fat cells and acts by mediating phosphorylation of creatine to initiate a futile cycle of creatine phosphorylation and dephosphorylation (By similarity). During the futile creatine cycle, creatine and N-phosphocreatine are in a futile cycle, which dissipates the high energy charge of N-phosphocreatine as heat without performing any mechanical or chemical work (By similarity).
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.

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