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CKMT2 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52762

Product Information

Application	WB
Primary Accession	P17540
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	47504

Additional Information

Gene ID	1160
Other Names	CKMT 2;Basic-type mitochondrial creatine kinase;CKMT 2;CKMT2;CPK;Creatine kinase mitochondrial 2;Creatine kinase mitochondrial 2 (sarcomeric);Creatine kinase S-type; creatine kinase S-type, mitochondrial;KCRS_HUMAN;Mib CK;Mib-CK;mitochondrial; OTTHUMP00000147542;S-MtCK;Sarcomeric mitochondrial creatine kinase;SMTCK.
Dilution	WB~~1:1000
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

Name	CKMT2
Function	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.
Cellular Location	Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side
Tissue Location	Sarcomere-specific. Found only in heart and skeletal muscles

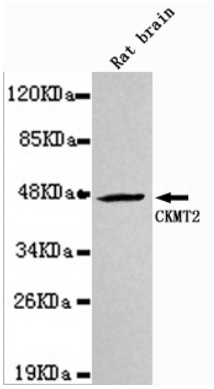
Background

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.

References

Haas R.C.,et al.J. Biol. Chem. 265:6921-6927(1990).
Ebert L.,et al.Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
Haas R.C.,et al.J. Biol. Chem. 264:2890-2897(1989).

Images



Western blot detection of CKMT2 in Rat Brain lysates using CKMT2 mouse mAb (1:1000 diluted).Predicted band size:47KDa.Observed band size:47KDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.