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CKMT1 Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52747

Product Information

Application	WB
Primary Accession	P12532
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	47037

Additional Information

Gene ID	1159;548596
Other Names	Acidic type mitochondrial creatine kinase;CKMT;CKMT1;CKMT1A;CKMT1B;Creatine kinase mitochondrial 1 ubiquitous;Creatine kinase U type, mitochondrial;Creatine kinase ubiquitous mitochondrial;Creatine kinase, mitochondrial 1 (ubiquitous);Creatine kinase, mitochondrial 1A;Creatine kinase, mitochondrial 1B;Mia CK; U MtCK;Ubiquitous mitochondrial creatine kinase;UMTCK.
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	CKMT1A
Synonyms	CKMT
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

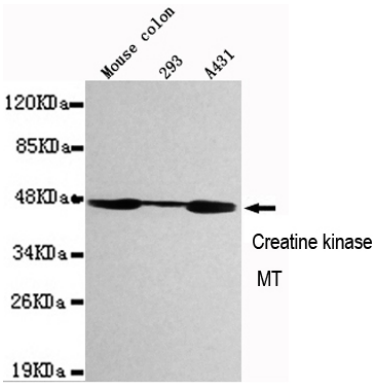
Background

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. 264:2890-2897(1989).
Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Totoki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
Burkard T.R.,et al.BMC Syst. Biol. 5:17-17(2011).

Images



Western blot detection of CKMT1 in Mouse Colon,293 and A431 cell lysates using CKMT1 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'.