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CKMT1 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52747

Specification

CKMT1 Antibody - Product Information

Application	**WB**
Primary Accession	P12532
Reactivity	**Human, Mouse**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**47 KDa**

CKMT1 Antibody - 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
Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.09% (W/V) sodium azide, 50%,glycerol

Storage
Store at -20 °C.Stable for 12 months from date of receipt

CKMT1 Antibody - 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

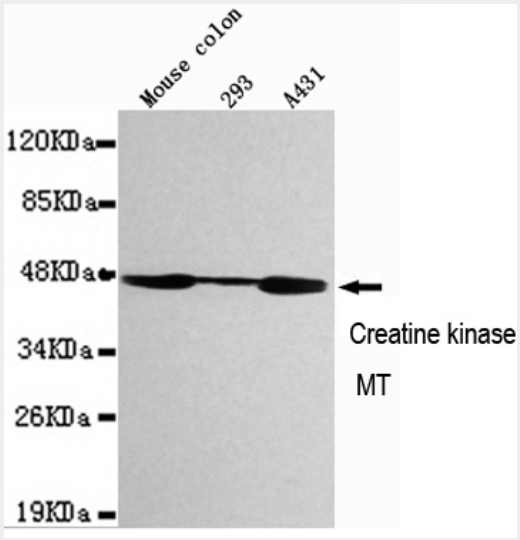
Mitochondrion inner membrane; Peripheral membrane protein; Intermembrane side

CKMT1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CKMT1 Antibody - 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.

CKMT1 Antibody - 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.

CKMT1 Antibody - 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).