

CKMT2 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52762

Specification

CKMT2 Antibody - Product Information

Application	WB
Primary Accession	P17540
Reactivity	Rat
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	47 KDa

CKMT2 Antibody - 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

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

CKMT2 Antibody - 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

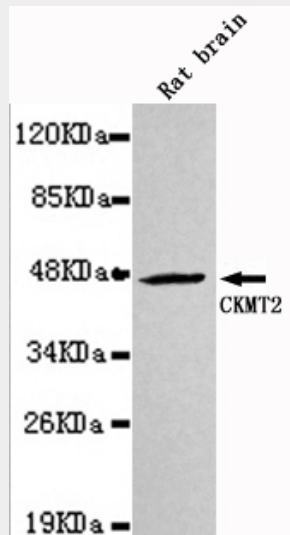
Sarcomere-specific. Found only in heart and skeletal muscles

CKMT2 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 Cytometry](#)
- [Cell Culture](#)

CKMT2 Antibody - 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.

CKMT2 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.

CKMT2 Antibody - 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).