

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

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**CKMT2 Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P17540</a>
Reactivity	<b>Rat</b>
Host	<b>Mouse</b>
Clonality	<b>Monoclonal</b>
Isotype	<b>IgG2b</b>
Calculated MW	<b>47 KDa</b>

**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**

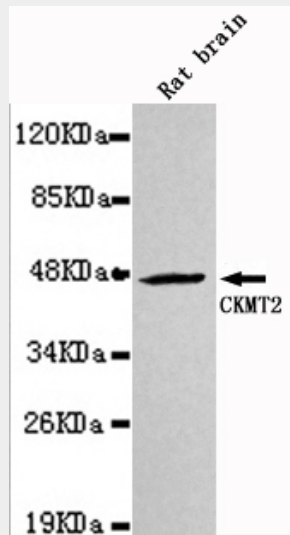
Sarcomere-specific. Found only in heart and skeletal muscles

### 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).