

# CKMT2 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52762

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P17540</a>
<b>Reactivity</b>	Rat
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2b
<b>Calculated MW</b>	47504

## Additional Information

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<b>Gene ID</b>	1160
<b>Other Names</b>	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.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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

## Background

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## References

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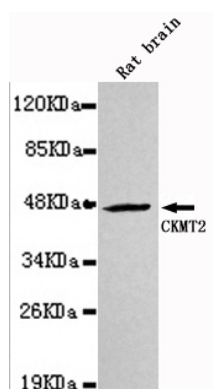
Haas R.C.,et al.J. Biol. Chem. 265:6921-6927(1990).

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

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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'.