

CKMT2 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52762

Product Information

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|--------------------------|------------------------|
| Application | WB |
| Primary Accession | P17540 |
| Reactivity | Rat |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG2b |
| Calculated MW | 47504 |

Additional Information

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|--------------------|---|
| 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 | 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 | 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 |

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.

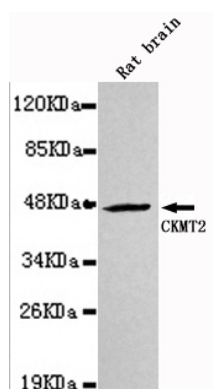
References

Haas R.C.,et al.J. Biol. Chem. 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



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'.