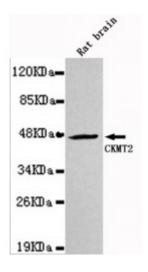


Anti-CKMT2 antibody



Description

4

Mouse monoclonal to CKMT2.

Model STJ99155

Host Mouse

Reactivity Rat

Applications ELISA, WB

Immunogen Purified recombinant human CKMT2 protein fragments expressed in E.coli.

Gene ID <u>1160</u>

Gene Symbol CKMT2

Dilution range WB 1:500-2000ELISA 1:10000-20000

Specificity This antibody detects endogenous levels of CKMT2 and does not cross-react

with related proteins.

Tissue Specificity Sarcomere-specific. Found only in heart and skeletal muscles.

Purification The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Clone ID 3F4-G5-H5

Note For Research Use Only (RUO).

Protein Name Creatine kinase S-type, mitochondrial Basic-type mitochondrial creatine

kinase Mib-CK Sarcomeric mitochondrial creatine kinase S-MtCK

Molecular Weight 47kDa

Clonality Monoclonal

Conjugation Unconjugated

Isotype IgG2b

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Concentration 1 mg/ml

Storage Instruction Store at -20°C, and avoid repeat freeze-thaw cycles.

Database Links <u>HGNC:1996OMIM:123295</u>

Alternative Names Creatine kinase S-type, mitochondrial Basic-type mitochondrial creatine

kinase Mib-CK Sarcomeric mitochondrial creatine kinase S-MtCK

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 Localization Mitochondrion inner membrane. Peripheral membrane protein.

Intermembrane side.

St John's Laboratory Ltd

F +44 (0)207 681 2580 **T** +44 (0)208 223 3081

W http://www.stjohnslabs.com/ E info@stjohnslabs.com