bs-3526R

Rabbit Anti-CKMT2 Polyclonal Antibody

Primary Antibodies

Background:
CKMT2 (creatine kinase, mitochondrial 2 (sarcomeric)) is a creatine kinase isoenzyme, (reversibly) catalyzing the production of ATP from ADP by converting Phosphocreatine to creatine. Phosphocreatine serves as an energy reservoir for the rapid generation of ATP.Mitochondrial creatine kinase exists as two isoenzymes, sarcomeric mitochondrial creatine kinase (CKMT2) and ubiquitous creatine kinase; these are encoded by separate genes. Mitochondrial creatine kinases occurs in two different oligomeric forms: dimers and octamers, in contrast to the exclusively dimeric cytosolic creatine kinase isoenzymes. Sarcomeric mitochondrial creatine kinase has 80% homology with the coding exons of ubiquitous mitochondrial creatine kinase. The CKMT2 gene contains sequences homologous to several motifs that are shared among some nuclear genes encoding mitochondrial proteins and thus may be essential for the coordinated activation of these genes during mitochondrial biogenesis. Three transcript variants encoding the same protein have been found for this gene.

Source/Purification:
KLH conjugated synthetic peptide derived from human CKMT2. Was purified by Protein A and peptide affinity chromatography.

Storage: Prepared as lyophilized powder or liquid and shipped on ice. Store at -20℃ for one year.

Reconstitution:
If the antibody is in liquid form, no reconstitution needed.

Reconstitution is only required for the lyophilized antibody. Please refer to the reconstitution instruction card in the package.

Size: 100ul or 100ug lyophilized

Concentration: 1ug/uL

Host: Rabbit

Reactivities:
Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,

Application:

- WB(1:100-500)
- ELISA(1:500-1000)
- IP(1:20-100)
- IHC-P(1:100-500)
- IHC-F(1:100-500)
- IF(1:100-500)
- Not yet tested in other applications. Optimal working dilutions must be determined by the end user.

Antibody Type: Polyclonal

Isotype: IgG

Molecular Weight: 46kDa

Preservatives:
10ug/uL BSA and 0.1% NaN3.

For research use only. CAUTION: Not for human or animal therapeutic or diagnostic use.