Product Name: Creatine kinase B type (12W4) Rabbit Monoclonal Antibody
Catalog #: AMRe09372

Summary

Production Name	Creatine kinase B type (12W4) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
Purification	Affinity purification

Immunogen

Gene Name	CKB
Alternative Names	BCK; Ckb; CKBB; HEL 211; HEL S 29;
Gene ID	1152.0
SwissProt ID	P12277.A synthetic peptide of human Creatine kinase B type

Application

Dilution Ratio	WB: 1:2000-1:10000
Molecular Weight	43kDa

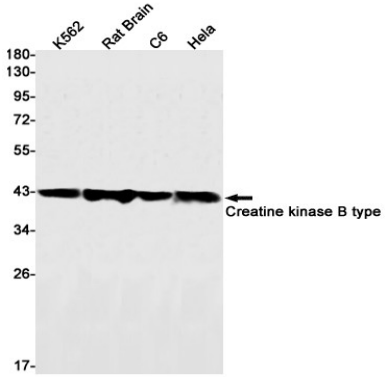
Background

Product Name: Creatine kinase B type (12W4) Rabbit Monoclonal Antibody
Catalog #: AMRe09372

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. Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate) (PubMed:8186255). 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 (Probable). Acts as a key regulator of adaptive thermogenesis as part of the futile creatine cycle: localizes to the mitochondria of thermogenic fat cells and acts by mediating phosphorylation of creatine to initiate a futile cycle of creatine phosphorylation and dephosphorylation (By similarity). During the futile creatine cycle, creatine and N-phosphocreatine are in a futile cycle, which dissipates the high energy charge of N- phosphocreatine as heat without performing any mechanical or chemical work (By similarity).

Research Area

Image Data



Western blot detection of Creatine kinase B type in K562,Rat Brain,C6,Hela cell lysates using Creatine kinase B type antibody(1:1000 diluted).

Note

For research use only.