CKB/CKM Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CKB/CKM, Polyclonal Antibody
Full Product Name	CKB/CKM Antibody
Product Gene Name	anti-CKB/CKM antibody
Product Synonym Names	Creatine kinase B-type (EC 2.7.3.2)(B-CK)(Creatine kinase B chain)
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of CKB/CKM at Human, Mouse,Rat
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	381
OMIM	123280
3D Structure	ModBase 3D Structure for P12277
Immunogen	Synthesized peptide derived from human CKB/CKM
Modification	Unmodified/Total
Product Categories/Family for anti-CKB/CKM antibody	Primary Antibodies
Applications Tested/Suitable for anti-CKB/CKM antibody	Western Blot (WB)
Application Notes for anti-CKB/CKM antibody	WB: 1:500-2000
Related Product Information for anti-CKB/CKM antibody	MBS9522066 is an antibody targeting CKB/CKM. Also known as CKB/CKM Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-CKB/CKM antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CKB/CKM. It may not necessarily be applicable to this product.

NCBI GI #	125294
NCBI GeneID	1152

NCBI Accession #	P12277.1
UniProt Primary Accession #	P12277
UniProt Secondary Accession #	Q2LE07; Q6FG40; Q9UC66; A8K236; B2R5R4
UniProt Related Accession #	P12277
NCBI Official Full Name	Creatine kinase B-type
NCBI Official Synonym Full Names	creatine kinase, brain
NCBI Official Symbol	CKB
NCBI Official Synonym Symbols	BCK; B-CK; CKBB; HEL-211; HEL-S-29
UniProt Protein Name	Creatine kinase B-type
UniProt Synonym Protein Names	B-CK; Creatine kinase B chain
UniProt Gene Name	CKB
UniProt Synonym Gene Names	CKBB
UniProt Entry Name	KCRB_HUMAN
NCBI Protein Information	creatine kinase B-type; creatine kinase-B; creatine kinase B chain; epididymis luminal protein 211; epididymis secretory protein Li 29
NCBI Summary for CKB/CKM	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized. [provided by RefSeq, Jul 2008]
UniProt Comments for CKB/CKM	CKB: 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. Belongs to the ATP:guanido phosphotransferase family. Protein type: Amino Acid Metabolism - arginine and proline; EC 2.7.3.2; Kinase, other Chromosomal Location of Human Ortholog: 14q32 Cellular Component: mitochondrion; cytosol Molecular Function: protein binding; creatine kinase activity; ATP binding Biological Process: substantia nigra development; phosphorylation; creatine metabolic process; cellular chloride ion homeostasis
Research Articles on CKB/CKM	**1.** increased serum Ckbb reflects failure of osteoclasts or suppression of osteoclasts in children with osteogenesis imperfecta during neridronate treatment
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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