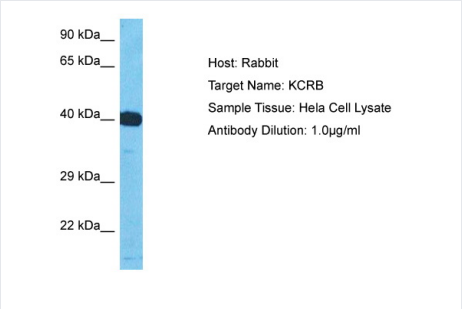
CKB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CKB, Polyclonal Antibody
Full Product Name	CKB Antibody - N-terminal region
Product Gene Name	anti-CKB antibody
Product Synonym Gene Name	BCK; B-CK; CKBB; CPK-B; HEL-211; HEL-S-29
Immunogen Sequence	Synthetic peptide located within the following region: TVGCVAGDEE SYEVFKDLFD PIIEDRHGGY KPSDEHKTDL NPDNLQGGDD
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Affinity purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	CKB peptide (MBS3245023) is used for blocking the activity of CKB antibody (MBS3220200)
Molecular Weight	41kDa
OMIM	123280
3D Structure	ModBase 3D Structure for P12277
Immunogen	The immunogen is a synthetic peptide directed towards the N-terminal region of Human KCRB
Product Categories/Family for anti-CKB antibody	Polyclonal; Various
Applications Tested/Suitable for anti-CKB antibody	Western Blot (WB)
Related Product Information for anti-CKB antibody	This is a rabbit polyclonal antibody against KCRB. It was validated on Western Blot Target Description: 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.
Other Notes	Small volumes of anti-CKB 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.
Searchable Terms for CKB purchase	MBS3220200 is an antibody targeting CKB. Also known as CKB Antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-CKB antibody
Host: RabbitTarget Name: KCRBSample Type: Hela Whole Cell lysatesAntibody Dilution: 1.0ug/ml

ADDITIONAL DETAILS

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

NCBI GI #	21536286
NCBI GeneID	1152
NCBI Accession #	NP_001814
UniProt Primary Accession #	P12277
UniProt Related Accession #	P12277
GenBank Nucleotide #	NM_001823.5
NCBI Official Full Name	creatine kinase B-type isoform 1
NCBI Official Synonym Full Names	creatine kinase B
NCBI Official Symbol	CKB
NCBI Official Synonym Symbols	BCK; B-CK; CKBB; CPK-B; HEL-211; HEL-S-29
UniProt Protein Name	Creatine kinase B-type
UniProt Synonym Protein Names	B-CK; Creatine kinase B chain
Protein Family	Creatine kinase
UniProt Gene Name	CKB
UniProt Synonym Gene Names	CKBB
UniProt Entry Name	KCRB_HUMAN
NCBI Protein Information	creatine kinase B-type
NCBI Summary for CKB	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	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	**1.** The data revealed a varying but significant increase of CK activity in CKBE individuals as compared to controls, reaching an almost 800-fold increase in two CKBE individuals which also had increased erythrocyte creatine.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/ckb/3220200