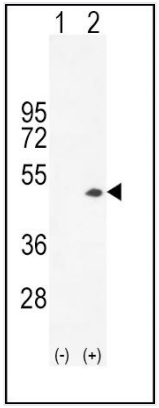
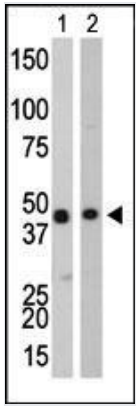
CKBB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CKBB, Polyclonal Antibody
Full Product Name	CKBB, NT (Creatine Kinase B-type, Creatine Kinase B Chain, B-CK, CKB) (APC)
Product Gene Name	anti-CKBB antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Allophycocyanin (APC).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human CKB. Species Crossreactivity: mouse.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Do not freeze APC conjugates. Light sensitive. Aliquots are stable for at least 6 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	381
OMIM	123280
3D Structure	ModBase 3D Structure for P12277
Immunogen	Synthetic peptide selected from the center region of human CKB (KLH).
Conjugate	APC
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-CKBB antibody	Antibodies; Enzymes; Creatine Kinase
Applications Tested/Suitable for anti-CKBB antibody	Western Blot (WB), FLISA
Application Notes for anti-CKBB antibody	WB: 1:100-1:500 FLISA: 1:1,000 Applications are based on unconjugated antibody.
Related Product Information for anti-CKBB antibody	MBS6470491 is an antibody targeting CKBB. Also known as CKBB, NT (Creatine Kinase B-type, Creatine Kinase B Chain, B-CK, CKB) (APC). Reactive in Human, Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-CKBB 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.



Western Blot (WB) of anti-CKBB antibody
Western blot analysis of CKB (arrow) using rabbit polyclonal CKB-C254. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CKB gene.



Western Blot (WB) of anti-CKBB antibody
The anti-CKB Pab is used in Western blot to detect CKB in Y79 cell lysate (Lane 1) and mouse colon tissue lysate (Lane 2).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CKBB. 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 CKBB	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 CKBB	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 CKBB	**1.** increased serum Ckbb reflects failure of osteoclasts or suppression of osteoclasts in children with osteogenesis imperfecta during neridronate treatment
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