

Mouse Creatine Kinase-BB (CK-BB) Monoclonal Antibody | anti-CK-BB antibody

Creatine Kinase-BB (CK-BB)

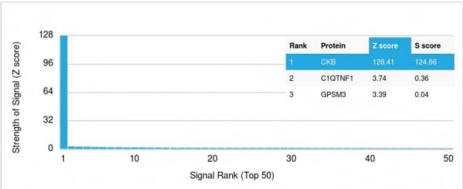
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62932	Mouse	Human. Others not known.	Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

Creatine Kinase-BB (CK-BB); Monoclonal Antibody; B-CK; BB-CK; creatine kinase-B; Creatine kinase B chain; CKBB creatine kinase B-type; creatine kinase; brain; CKBB; Brain creatine kinase; Creatine kinase B-type; Creatine Kinase BB Isoenzyme; Creatine kinase brain; Creatine phosphokinase BB; anti-CK-BB antibody

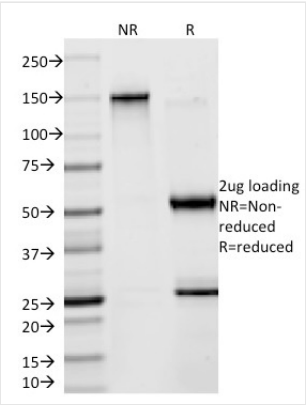
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	CKB/1268
Specificity	Creatine kinases (CK) are a large family of isoenzymes that regulate levels of ATP in subcellular compartments, where they provide ATP at sites of fluctuating energy demand by the transfer of phosphates between creatine and adenine nucleotides. CKs provide the energy of phosphate hydrolysis necessary to drive the normal function of many cellular systems. In cells, the cytosolic CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes: CKMM, CKBB and CKMB. This MAb recognizes the CKBB isoenzyme and does not react with the B subunit in CKMB. It shows minimal reactivity with other human serum proteins
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	381
Applicable Applications for anti-CK-BB antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Immunogen	Recombinant full-length human CKB protein
Cellular Localization	Cytoplasmic
Hu-chromosome Location	14q32
Positive Control	Cerebellum
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using Creatine Kinase-B (CKB) Mouse Monoclonal Antibody (CKBB/1268). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE
SDS-PAGE Analysis Purified Creatine Kinase-B (CKB) Mouse Monoclonal Antibody (CKB/1268). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Mariman, E.C., et al. 1989. Complete nucleotide sequence of the human creatine kinase B gene. Nucleic Acids Res. 17: 6385. Mariman, E.C., et al. 1987. Structure and expression of the human creatine kinase B gene. Genomics 1: 126-137.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21536286
NCBI GeneID	1152
NCBI Accession #	NP_001814.2
NCBI GenBank Nucleotide #	NM_001823.4
UniProt Accession #	P12277; Q2LE07; Q6FG40; Q9UC66; A8K236; B2R5R4
Molecular Weight	43kDa (Monomer); 86kDa (Dimer)
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
NCBI Protein Information	creatine kinase B-type
UniProt Protein Name	Creatine kinase B-type
UniProt Gene Name	CKB
UniProt Synonym Gene Names	CKBB; CPK-B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.