

Rabbit anti-Human, mouse CKB Polyclonal Antibody | anti-CKB antibody

CKB Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289745	Rabbit	Human, mouse	ELISA, Western Blot

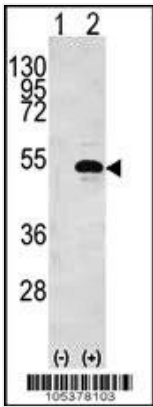
PRODUCT SYNONYMS

CKB; Polyclonal Antibody; CKB Antibody (N-term); Creatine kinase B-type; B-CK; Creatine kinase B chain; CKBB; anti-CKB antibody

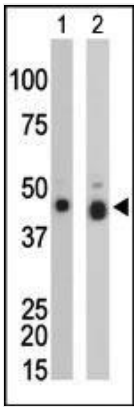
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This CKB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CKB.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	381
Applicable Applications for anti-CKB antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of CKB (arrow) using rabbit polyclonal CKB Antibody (N5). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CKB gene.



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

ADDITIONAL INFORMATION

Related Product Information for anti-CKB antibody	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. The CKB isoform, present in many tissues but especially brain, is a cytoplasmic enzyme involved in energy homeostasis. CKB reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. Creatine kinase B-driven energy transfer in the brain is important for habituation and spatial learning behaviour, mossy fibre field size and determination of seizure susceptibility. The encoded protein is a member of the ATP:guanido phosphotransferase protein family.
Product Categories/Family for anti-CKB antibody	Cancer; Cardiovascular; Cell biology; Metabolism; Signal transduction

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	42644
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
NCBI Protein Information	creatine kinase B-type
UniProt Protein Name	Creatine kinase B-type
UniProt Gene Name	CKB
UniProt Synonym Gene Names	CKBB
UniProt Entry Name	KCRB_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ckb-antibody-western-blot-elisa/289745>