

Mouse anti-Human CKB Monoclonal Antibody | anti-CKB antibody

CKB antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48237	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

CKB; Monoclonal Antibody; CKB antibody; Creatine kinase B-type; B-CK; CKBB; BCK; anti-CKB antibody

PRODUCT SPECIFICATIONS

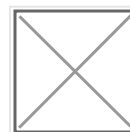
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT8E4
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	381
Applicable Applications for anti-CKB antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human CKB (1-381aa) purified from E. coli
Clone Note	Anti-human CKB mAb, clone AT8E4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human CKB protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of CKB in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human CKB antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CKB antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: 293T cell lysate Lane 2.: K562 cell lysate Lane 2.: LnCap cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-CKB antibody	CKB (Creatine kinase B-type) is a cytoplasmic enzyme involved in energy homeostasis. The 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. Creatine kinases provide the energy of phosphate hydrolysis necessary to drive the normal function of many cellular systems including muscle, tumor and cancer cells.
Product Categories/Family for anti-CKB antibody	Neuroscience
References	Chang EJ., et al. (2008) Nat Med. 14 (9): 966-72. ; Debrincat MA., et al. (2007) J Biol Chem. 282 (7): 4728-37.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	21536286
NCBI GeneID	1152
NCBI Accession #	NP_001814
NCBI GenBank Nucleotide #	NM_001823.4
UniProt Accession #	P12277; Q2LE07; Q6FG40; Q9UC66; A8K236; B2R5R4
Molecular Weight	42,644 Da
NCBI Official Full Name	creatine kinase B-type
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ckb-antibody-clone-at8e4-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48237>