

Datasheet for ABIN6936995 **anti-CKB antibody**



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Overview

Quantity:	100 µg
Target:	CKB
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CKB antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human full-length CKB protein
Clone:	CPTC-CKB-2
Isotype:	IgG2b kappa
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.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	CKB
Alternative Name:	CKB (CKB Products)
Background:	BCK, Brain creatine kinase, Ckb, Creatine kinase B chain, Creatine kinase B-type, Creatine Kinase BB Isoenzyme, Creatine phosphokinase BB, Epididymis luminal protein 211, Epididymis secretory protein Li 29, HEL 211, Creatine Phosphokinase-BB (CK-BB) Cellular localisation: Cytoplasm
Molecular Weight:	42kDa
Gene ID:	1152, 173724
UniProt:	P12277

Application Details

Application Notes:	Known_Application: Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: SH-SY5Y or HEK-293 cells. Human cerebellum.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C, -80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months