

Datasheet for ABIN6936996 **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:	ELISA, Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro)), Flow Cytometry (FACS), Coating (Coat)

Product Details

Immunogen:	Human CKBB protein
Clone:	2ba6
Isotype:	IgG1 kappa
Specificity:	The specificity of this monoclonal antibody to its intended target was validated by HuProt™ Array, containing more than 19,000, full-length human proteins. The specificity of this monoclonal antibody to its intended target was validated by HuProt Array containing more than 19,000 full-length, correctly-folded human proteins. 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:

Product Details

	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.
Cross-Reactivity (Details):	Human. Predicted to react with Chimpanzee, Rhesus Monkey, Dog, Cow, Mouse, Rat, Chicken, Zebrafish, Frog.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	CKB
Alternative Name:	CKB (CKB Products)
Background:	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,Creatine Kinase-BB (CK-BB) Cellular localisation: Cytoplasmic
Molecular Weight:	43kDa (Monomer), 86kDa (Dimer)
Gene ID:	1152, 173724
UniProt:	P12277

Application Details

Application Notes:	Known_Application: ELISA (For coating, order Ab without BSA),Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Frozen Only) (1-2 µg/mL for 30 minutes at RT) Optimal dilution for a specific application should be determined. Positive_Control: 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.

Handling

Expiry Date: 24 months