Datasheet for ABIN6939143

anti-CKB antibody

2 Images

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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 HuProtTM 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):	Predicted to react with Chimpanzee, Rhesus Monkey, Dog, Cow, Mouse, Rat, Chicken, Zebrafish, Frog.
Purification:	Purified by Protein A/G

Target Details

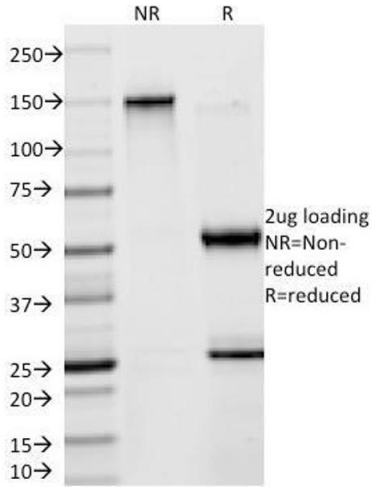
Target:	CKB
Alternative Name:	CKB (CKB Products)
Molecular Weight:	43kDa (Monomer), 86kDa (Dimer)
Gene ID:	1152
UniProt:	P12277

Application Details

Application Notes:	Positive Control: Cerebellum. Known Application: ELISA (For coating, order Ab without BSA),Flow Cytometry (0.5-1 µg/million cells), Immunofluorescence (0.5-1 µg/mL), Immunohistochemistry (Frozen Only) (0.5-1.0 µg/mL for 30 minutes at RT) Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

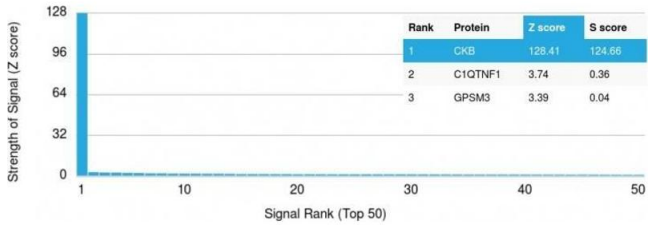
Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Creatine Kinase-BB (CKBB) Mouse Monoclonal Antibody (2ba6). Confirmation of Purity and Integrity of Antibody.



Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using Creatine Kinase-B (CKB) Mouse Monoclonal Antibody (2ba6). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (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 Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody 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 Monoclonal Antibody to protein X is equal to 29.