

36-2084: Anti-Creatine Kinase-BB (CK-BB) Monoclonal Antibody (Clone: 2ba6)

Clonality :	Monoclonal
Clone Name :	2ba6
Application :	ELISA,FACS,IF,IHC
Reactivity :	Human
Gene :	CKB
Gene ID :	1152
Uniprot ID :	P12277
Alternative Name :	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
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Human CKBB protein

Description

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: CKMM, CKBB and CKMB. This MAbs recognizes the CKBB isoenzyme and does not react with the B subunit in CKMB. It shows minimal reactivity with other human serum proteins.

Product Info

Amount :	20 µg / 100 µg
Content :	200µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months.

Application Note

ELISA (For coating, order Ab without BSA);Flow Cytometry (1-2ug/million cells); Immunofluorescence (1-2ug/ml); Immunohistochemistry (Frozen Only) (1-2ug/ml for 30 minutes at RT)

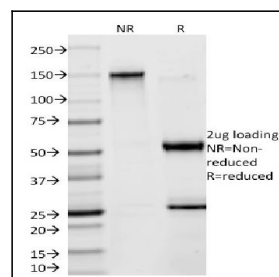


Fig.1: SDS-PAGE Analysis Purified Creatine Kinase-BB (CKBB) Mouse Monoclonal Antibody (2ba6). Confirmation of Purity and Integrity of Antibody.

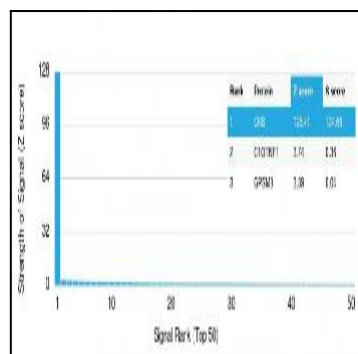


Fig. 2: Analysis of Protein Array containing more than 19,000 full-length human proteins using Creatine Kinase-B (CKB) Mouse Monoclonal Antibody (2ba6). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ 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 HuProt™ 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.