

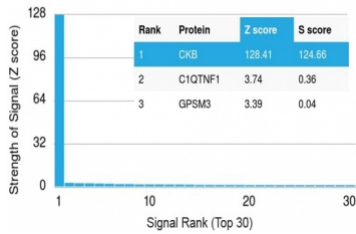
Creatine kinase B Antibody / CKB [clone 2ba6] (V3497)

| Catalog No. | Formulation | Size |
|----------------|--|--------|
| V3497-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3497-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3497SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

Bulk quote request

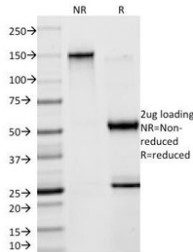
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Purified |
| Host | Mouse |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1, kappa |
| Clone Name | 2ba6 |
| Purity | Protein G affinity chromatography |
| UniProt | P12277 |
| Localization | Cytoplasmic |
| Applications | ELISA (order BSA/sodium Azide-free Format For Coating) : Flow Cytometry : 0.5-1ug/10 ⁶ cells Immunofluorescence : 0.5-1ug/ml |
| Limitations | This Creatine kinase B antibody is available for research use only. |

Human Protein Microarray Specificity Validation



Protein array validation of the Creatine kinase B antibody: Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Creatine kinase B type antibody (clone 2ba6). These results demonstrate the foremost specificity of the 2ba6 mAb.

Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) 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. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE Analysis of Purified, BSA-Free Creatine kinase B Antibody (clone 2ba6). Confirmation of Integrity and Purity of the Antibody.

Description

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. It shows minimal reactivity with other human serum proteins

This Creatine Kinase B Antibody is part of a broader [Creatine Kinase B antibody panel](#) offered by NSJ Bioreagents.

Application Notes

Optimal dilution of the Creatine kinase B antibody should be determined by the researcher.

Immunogen

Human CKB protein was used as the immunogen for the Creatine kinase B antibody.

Storage

Store the Creatine kinase B antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).