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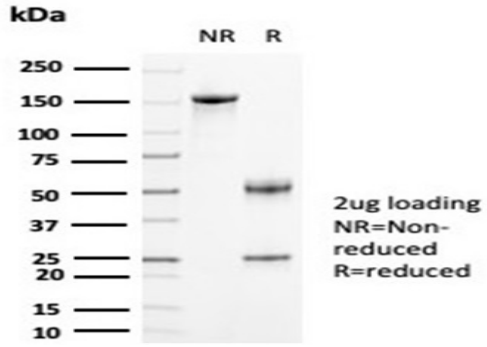
Creatine Phosphokinase-BB (CK-BB)

Mouse Monoclonal Antibody [Clone CKBB/6871]

Catalog No	Format	Size	Price (USD)
1152-MSM11-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug	219.00
1152-MSM11-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug	499.00
1152-MSM11-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug	499.00

Human Entrez Gene ID	1152
Human SwissProt	P12277
Human Unigene	173724
Human Gene Symbol	CKB
Human Chromosome Location	14q32.32
Synonyms	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

Immunogen	Recombinant human full-length CKBprotein
Host / Ig Isotype	Mouse / IgG2b, kappa
Mol. Weight of Antigen	42kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human. Others-not tested.
Positive Control	SH-SY5Y, HEK-293 and Cerebellum



SDS-PAGE Analysis Purified CKBB Mouse Monoclonal Antibody (CKBB/6871). Confirmation of Purity and Integrity of Antibody

Specificity & Comments

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.

Known Applications & Suggested Dilutions

Optimal dilution for a specific application should be determined.

Key References

1. Lowe, M.T., et al. 2013. J. Cereb. Blood Flow Metab. 33: 1295-1306.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

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.

Limitations

This antibody is available for research use only and is not approved for use in diagnosis.

Warranty

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.