Creatine Phosphokinase-BB (CK-BB) Antibody

Mouse Monoclonal Antibody [Clone CPTC-CKB-2]

Catalog No	Format	Size
1152-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1152-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1152-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

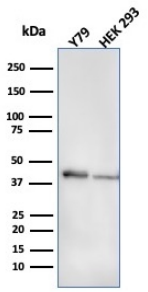
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

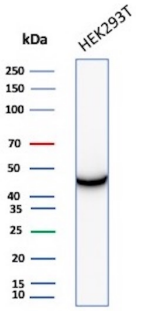
Clone	CPTC-CKB-2
Gene Name	CKB
Immunogen	Recombinant human full-length CKB protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	42kDa
Cellular Localization	Cytoplasm, Cytosol, Mitochondrion
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rat
Positive Control	Y79 or HEK-293T cells. Human cerebellum. Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain, Human Stomach, Mouse Stomach, Rat Stomach, Hamster Stomach or Guinea pig Stomach tissue

**Optimal dilution for a specific application should be determined.*

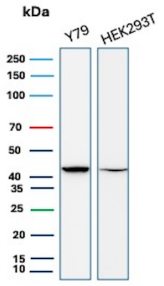
Product Images for Creatine Phosphokinase-BB (CK-BB) Antibody



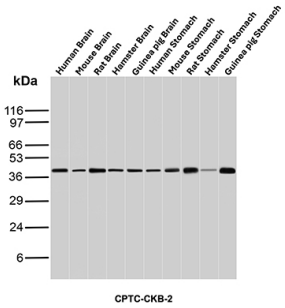
Western Blot Analysis of Y79 and HEK293 cell lysate using CKBB Mouse Monoclonal Antibody (CPTC-CKB-2).



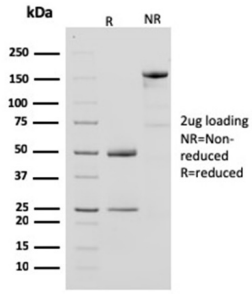
Western Blot Analysis of HEK293T cell lysate using CKBB Mouse Monoclonal Antibody (CPTC-CKB-2).



Western blot analysis of Y79 and HEK293T lysates using CKBB Mouse Monoclonal Antibody (CPTC-CKB-2).



Western blot analysis of Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain, Human Stomach, Mouse Stomach, Rat Stomach, Hamster Stomach and Guinea pig Stomach tissue lysates using CKBB Mouse Monoclonal Antibody (CPTC-CKB-2).



SDS-PAGE Analysis of Purified CKBB Mouse Monoclonal Antibody (CPTC-CKB-2). 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.

Supplied As

200ug/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 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.

Research Areas

Cardiovascular, Signal Transduction

Limitations and Warranty

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