

36-2086: Anti-Creatine Phosphokinase-BB (CK-BB) Monoclonal Antibody (Clone: CPTC-CKB-2)

Clonality :	Monoclonal
Clone Name :	CPTC-CKB-2
Application :	WB,IHC
Reactivity :	Human
Gene :	CKB
Gene ID :	1152
Uniprot ID :	P12277
Alternative Name :	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
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human full-length CKB protein

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.

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

Western Blot (1-2ug/ml); Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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);

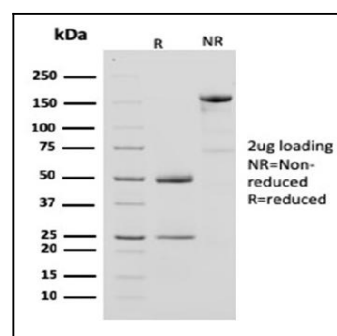


Fig.1: SDS-PAGE Analysis Purified CKBB Mouse Monoclonal Antibody (CPTC-CKB-2). Confirmation of Purity and Integrity of Antibody