Recombinant Creatine Kinase-BB (CK-BB) Antibody

Rabbit Monoclonal Antibody [Clone CKBB/16931R]

Catalog No	Format	Size
1152-RBM25-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1152-RBM25-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1152-RBM25-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

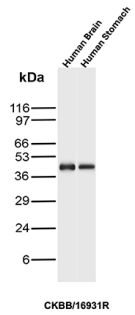
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	CKBB/16931R
Immunogen	Recombinant full-length human CKBB protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	42.64kDa
Cellular Localization	Cell membrane, Cytoplasm, Cytosol, Mitochondrion
Species Reactivity	Human

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

Product Images for Recombinant Creatine Kinase-BB (CK-BB) Antibody



Western blot analysis of human brain and stomach tissue lysates using CKBB Recombinant Rabbit Monoclonal Antibody (CKBB/16931R).

Specificity & Comments

Reversibly catalyzes the transfer of phosphate between ATP and various phosphogens (e.g. creatine phosphate) (PubMed:8186255). Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa (Probable). Acts as a key regulator of adaptive thermogenesis as part of the futile creatine cycle: localizes to the mitochondria of thermogenic fat cells and acts by mediating phosphorylation of creatine to initiate a futile cycle of creatine phosphorylation and dephosphorylation (By similarity). During the futile creatine cycle, creatine and N-phosphocreatine are in a futile cycle, which dissipates the high energy charge of N-phosphocreatine as heat without performing any mechanical or chemical work (By similarity).

Supplied As

200ug/ml of Ab produced in a mammalian-based expression system. 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.

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.