Recombinant Creatine Kinase-BB (CK-BB) Antibody

Rabbit Monoclonal Antibody [Clone CKBB/8843R]

Catalog No	Format	Size
1152-RBM22-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1152-RBM22-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1152-RBM22-P1ABX	Purified Ab WITHOUT BSA or Azide at 1.0mg/ml	100 ug

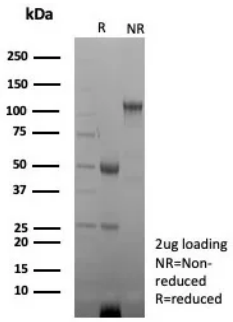
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

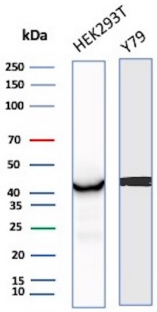
Clone	CKBB/8843R
Immunogen	Recombinant fragment (around aa261-376) of the human CKBB protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	42.64kDa
Cellular Localization	Cell membrane, Cytoplasm, Cytosol, Mitochondrion
Species Reactivity	Guinea Pig, Hamster, Human, Mouse, Rat
Positive Control	Y79 or HEK293T, Y79 cells. Human cerebellum. Human Brain, Mouse Brain, Rat Brain, Hamster Brain, Guinea pig Brain, Human Stomach, Mouse Stomach, Rat Stomach, Hamster Stomach and Guinea pig Stomach

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

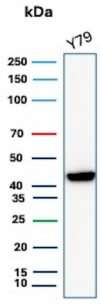
Product Images for Recombinant Creatine Kinase-BB (CK-BB) Antibody



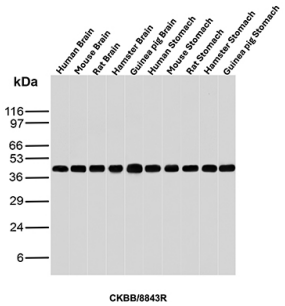
SDS-PAGE Analysis of Purified CKBB Recombinant Rabbit Monoclonal Antibody (CKBB/8843R). Confirmation of Purity and Integrity of Antibody.



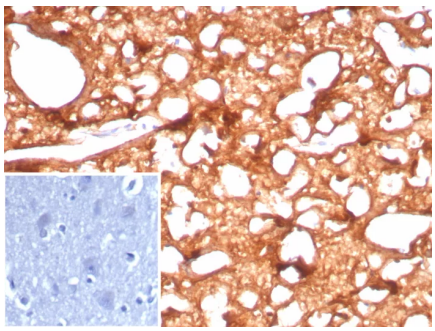
Western Blot Analysis of HEK293T, Y79 cell lysate using CKBB Recombinant Rabbit Monoclonal Antibody (CKBB/8843R).



Western blot analysis of Y79 cell lysate using CKBB Rabbit Recombinant Monoclonal Antibody (CKBB/8843R).



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 Rabbit Recombinant Monoclonal Antibody (CKBB/8843R).



Formalin-fixed, paraffin-embedded human brain stained with CKBB Recombinant Rabbit Monoclonal Antibody (CKBB/8843R). Inset: PBS instead of primary antibody; secondary only negative control.

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 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.

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