

For Research Use Only

CKB Monoclonal antibody, PBS Only

Catalog Number: 66764-1-PBS

Featured Product



Basic Information

Catalog Number:

66764-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG7933

GenBank Accession Number:

BC001190

GeneID (NCBI):

1152

UNIPROT ID:

P12277

Full Name:

creatine kinase, brain

Calculated MW:

43 kDa

Observed MW:

43 kDa

Purification Method:

Protein A purification

CloneNo.:

2B7C3

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

Human, Mouse

Background Information

CKBB, also named as B-CK and CKB, is a member of the ATP:guanido phosphotransferase protein family. It is a cytoplasmic enzyme involved in energy homeostasis. CKBB reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. CK isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. CK MB consists of a dimer of nonidentical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

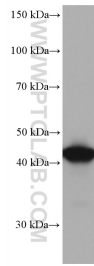
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

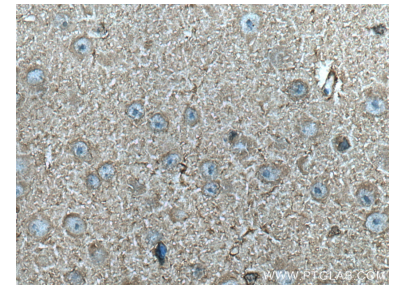
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66764-1-Ig (CKB antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66764-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66764-1-Ig (CKB antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66764-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66764-1-Ig (CKB antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66764-1-PBS in a different storage buffer formulation.