

Creatine kinase B type Rabbit mAb

Catalog No: #49833

Package Size: #49833-1 50ul #49833-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

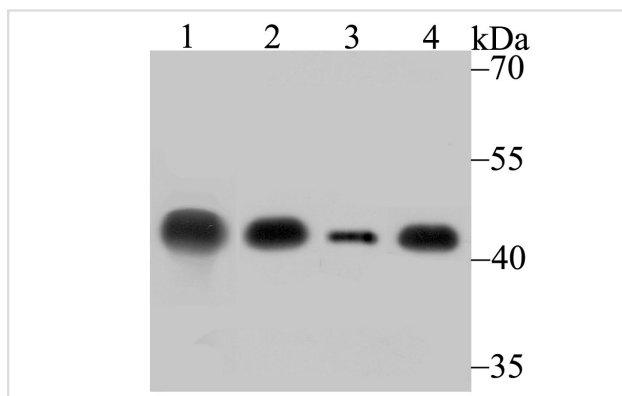
Description

Product Name	Creatine kinase B type Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB78-34
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	B CK antibody B-CK antibody BB-CK antibody BCK antibody Brain creatine kinase antibody Ckb antibody CKBB antibody Creatine kinase B antibody Creatine kinase B chain antibody Creatine kinase B type antibody Creatine kinase B-type antibody Creatine Kinase BB Isoenzyme antibody Creatine kinase brain antibody Creatine kinase brain type antibody Creatine phosphokinase BB antibody Epididymis luminal protein 211 antibody Epididymis secretory protein Li 29 antibody HEL 211 antibody HEL S 29 antibody KCRB_HUMAN antibody
Accession No.	Swiss-Prot#:P12277
Uniprot	P12277
GeneID	1152;
Calculated MW	43 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

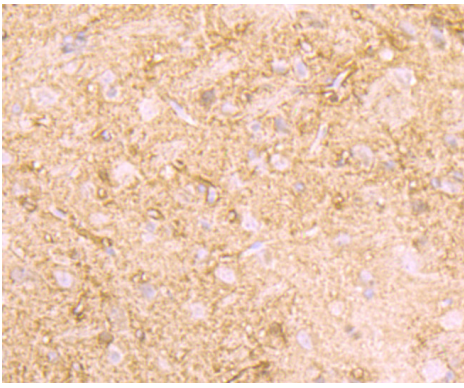
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

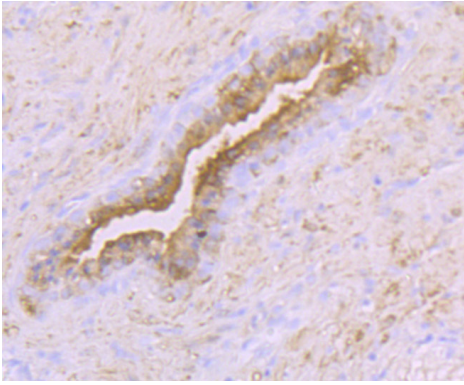
Images



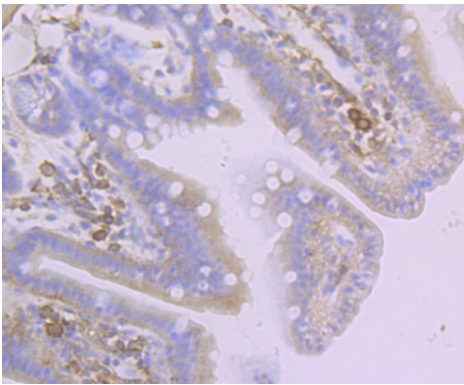
Western blot analysis of Creatine kinase B type on different lysates using anti-Creatine kinase B type antibody at 1/500 dilution. Positive control: Lane 1: Mouse brain Lane 2: Mouse brain Lane 3: Rat brain Lane 4: 293



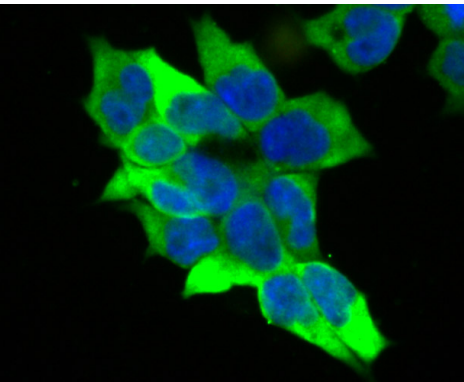
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-Creatine kinase B type antibody. Counter stained with hematoxylin.



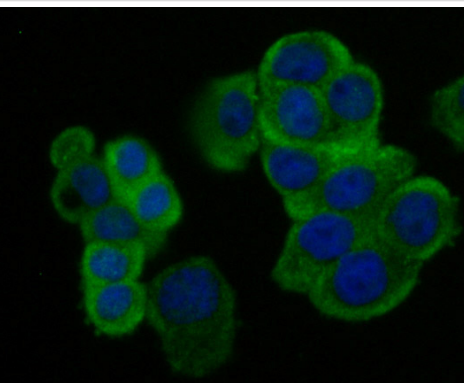
Immunohistochemical analysis of paraffin-embedded human prostate tissue using anti-Creatine kinase B type antibody. Counter stained with hematoxylin.



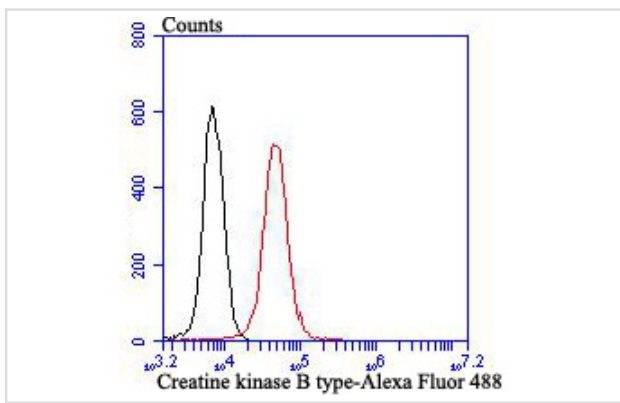
Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Creatine kinase B type antibody. Counter stained with hematoxylin.



ICC staining Creatine kinase B type in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Creatine kinase B type in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of 293T cells with Creatine kinase B type antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Creatine kinases (CKs) 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. Creatine kinases provide the energy of phosphate hydrolysis necessary to drive the normal function of many cellular systems including muscle, electrocytes, retina photoreceptor cells, brain cells, kidney, salt glands, myometrium, placenta, pancreas, thymus, thyroid, intestinal epithelial cells, endothelial cells, cartilage and bone cells, macrophages, blood platelets, and tumor and cancer cells. Human cytoplasmic creatine kinase-B, also designated CK-B and BCK, is a 381 amino acid, brain tissue specific isoform of creatine kinase. Human cytoplasmic creatine kinase-muscle (CK-M, MCK) is a muscle tissue-specific isoform of creatine kinase. Human cytoplasmic creatine kinase-Mi (Mi-CK, MtCK) is a 416 amino acid mitochondrial-specific isoform of creatine kinase. Cytosolic creatine kinases are important in the energetic regulation of Ca²⁺-pumps and in the maintenance of Ca²⁺-homeostasis.

References

Note: This product is for in vitro research use only