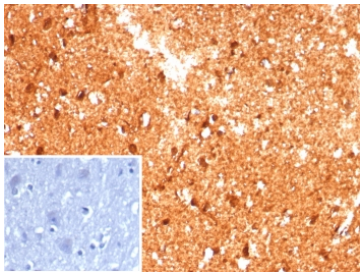
Creatine phosphokinase BB Antibody / CKBB / CKB [clone CKBB/8609R] (V4386)

Catalog No.	Formulation	Size
V4386-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4386-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4386SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

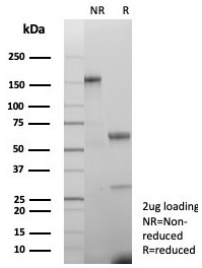
Recombinant RABBIT MONOCLONAL

Bulk quote request

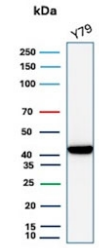
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	CKBB/8609R
Purity	Protein A/G affinity
UniProt	P12277
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This Creatine phosphokinase BB antibody is available for research use only.



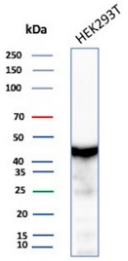
IHC staining of FFPE human brain tissue with Creatine phosphokinase BB antibody (clone CKBB/8609R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Creatine phosphokinase BB antibody (clone CKBB/8609R) as confirmation of integrity and purity.



Western blot testing of human Y79 cell lysate with Creatine phosphokinase BB antibody (clone CKBB/8609R). Predicted molecular weight ~43 kDa.



Western blot testing of human HEK293 cell lysate with Creatine phosphokinase BB antibody (clone CKBB/8609R). Predicted molecular weight ~43 kDa.

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.

Application Notes

Optimal dilution of the Creatine phosphokinase BB antibody should be determined by the researcher.

Immunogen

Recombinant human full-length protein was used as the immunogen for the Creatine phosphokinase BB antibody.

Storage

Aliquot the Creatine phosphokinase BB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.