

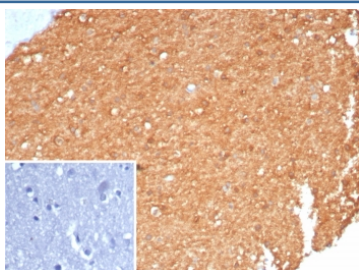
## Recombinant Brain Creatine Kinase Antibody / CKBB / CKB [clone CKBB/8310R] (V4376)

Catalog No.	Formulation	Size
V4376-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4376-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4376SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

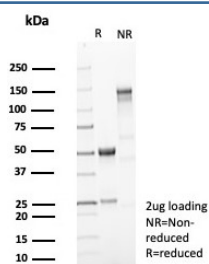
Recombinant **RABBIT MONOCLONAL**

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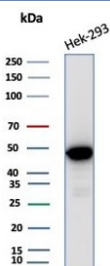
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	CKBB/8310R
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P12277
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant Brain Creatine Kinase antibody is available for research use only.



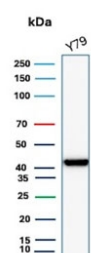
IHC staining of FFPE human brain tissue with recombinant Brain Creatine Kinase antibody (clone CKBB/8310R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Brain Creatine Kinase antibody (clone CKBB/8310R) as confirmation of integrity and purity.



Western blot testing of human HEK293 cell lysate with recombinant Brain Creatine Kinase antibody (clone CKBB/8310R). Predicted molecular weight ~43 kDa.



Western blot testing of human Y79 cell lysate with recombinant Brain Creatine Kinase antibody (clone CKBB/8310R). 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 recombinant Brain Creatine Kinase antibody should be determined by the researcher.

## Immunogen

Recombinant human full-length protein was used as the immunogen for the recombinant Brain Creatine Kinase antibody.

## Storage

Aliquot the recombinant Brain Creatine Kinase antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

