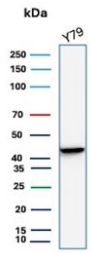
Creatine kinase B-type Antibody / CKBB [clone CKBB/6636] (V5660)

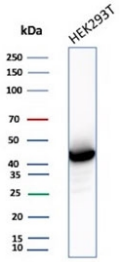
Catalog No.	Formulation	Size
V5660-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5660-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5660SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

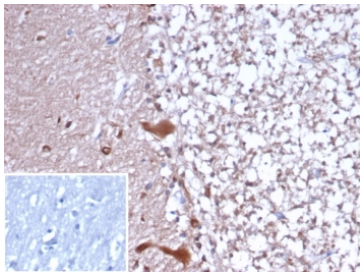
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	CKBB/6636
Purity	Protein G affinity
UniProt	P12277
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml Western Blot : 1-2ug/ml
Limitations	This Creatine kinase B-type antibody is available for research use only.



Western blot testing of human Y79 cell lysate with Creatine kinase B-type antibody (clone CKBB/6636). Predicted molecular weight ~43 kDa.



Western blot testing of human HEK293 cell lysate with Creatine kinase B-type antibody (clone CKBB/6636). Predicted molecular weight ~43 kDa.



IHC staining of FFPE human cerebellum tissue with Creatine kinase B-type antibody (clone CKBB/6636). 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.

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 kinase B-type antibody should be determined by the researcher.

Immunogen

A recombinant human full-length CKB protein was used as the immunogen for the Creatine kinase B-type antibody.

Storage

Aliquot the Creatine kinase B-type antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com