



Datasheet for ABIN6939145 anti-CKB antibody



[Go to Product page](#)

2 Images

Overview

| | |
|--------------|--|
| Quantity: | 100 µg |
| Target: | CKB |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This CKB antibody is un-conjugated |
| Application: | Immunohistochemistry (IHC), Staining Methods (StM) |

Product Details

| | |
|---------------|--|
| Immunogen: | Recombinant human full-length CKB protein |
| Clone: | CPTC-CKB-2 |
| Isotype: | IgG2b kappa |
| Specificity: | 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. |
| Purification: | Purified by Protein A/G |

Target Details

Target: CKB

Alternative Name: CKB ([CKB Products](#))

Molecular Weight: 42kDa

Gene ID: 1152

UniProt: [P12277](#)

Application Details

Application Notes: Positive Control: SH-SY5Y, HEK-293 and Cerebellum.
Known Application: Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

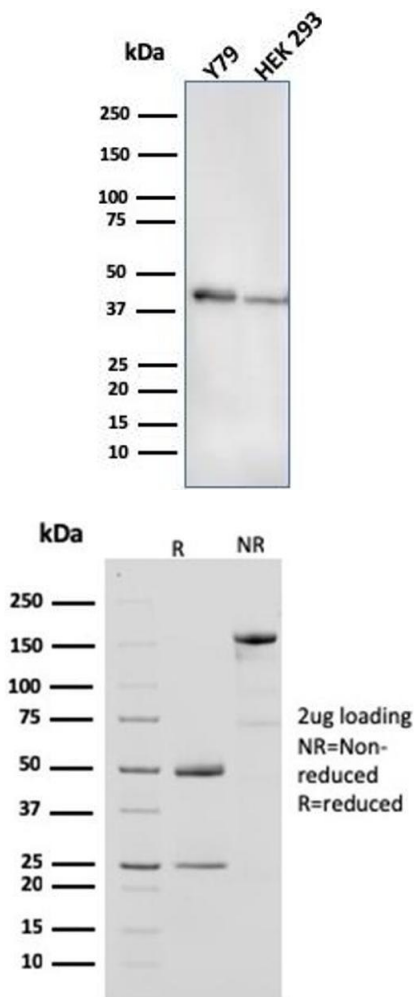
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



Western Blotting

Image 1. Western Blot Analysis of Y79 and HEK293 cell lysate using CKBB Mouse Monoclonal Antibody (CPTC-CKB-2).

SDS-PAGE

Image 2. SDS-PAGE Analysis Purified CKBB Mouse Monoclonal Antibody (CPTC-CKB-2). Confirmation of Purity and Integrity of Antibody