

## Datasheet for ABIN7126220 **anti-CKB antibody**



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### Overview

|              |                                    |
|--------------|------------------------------------|
| Quantity:    | 100 µg                             |
| Target:      | CKB                                |
| Reactivity:  | Human                              |
| Host:        | Mouse                              |
| Clonality:   | Monoclonal                         |
| Conjugate:   | This CKB antibody is un-conjugated |
| Application: | Positive Control (PC)              |

### Product Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:                  | Recombinant human full-length CKBprotein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype:                    | IgG2b                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 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. |
| Cross-Reactivity (Details): | Human. Others-not tested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Purification:               | 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

### Target Details

|                   |                                                                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CKB                                                                                                                                                                                                                                                                                          |
| Alternative Name: | CKB ( <a href="#">CKB Products</a> )                                                                                                                                                                                                                                                         |
| Background:       | BCK, Brain creatine kinase, Ckb, Creatine kinase B chain, Creatine kinase B-type, Creatine Kinase BB Isoenzyme, Creatine phosphokinase BB, Epididymis luminal protein 211, Epididymis secretory protein Li 29, HEL 211,Creatine Phosphokinase-BB (CK-BB)<br>Cellular localisation: Cytoplasm |
| Molecular Weight: | 42kDa                                                                                                                                                                                                                                                                                        |
| Gene ID:          | 1152, 173724                                                                                                                                                                                                                                                                                 |
| UniProt:          | <a href="#">P12277</a>                                                                                                                                                                                                                                                                       |

### Application Details

|                    |                                                                                                                                           |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Known_Application: Optimal dilution for a specific application should be determined.<br>Positive_Control: SH-SY5Y, HEK-293 and Cerebellum |
| Restrictions:      | For Research Use only                                                                                                                     |

### Handling

|                  |                                                                                                   |
|------------------|---------------------------------------------------------------------------------------------------|
| Concentration:   | 1.0 mg/mL                                                                                         |
| Buffer:          | Prepared in 10 mM PBS, WITHOUT BSA and Azide.                                                     |
| Preservative:    | Azide free                                                                                        |
| Storage:         | -20 °C,-80 °C                                                                                     |
| Storage Comment: | Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. |
| Expiry Date:     | 24 months                                                                                         |