

## CKB monoclonal antibody, clone 2ba6

Catalog # MAB21153      Size 100 ug

### Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant human CKB.
Immunogen	Recombinant protein corresponding to full length human CKB.
Host	Mouse
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG1, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 <sup>6</sup> cells) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Frozen sections) (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS (0.05% BSA, 0.05% sodium azide).
Storage Instruction	Store at 4°C.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Immunohistochemistry (Frozen sections)
- Immunofluorescence
- Flow Cytometry

## Gene Info — CKB

**Entrez GeneID** [1152](#)**Protein Accession#** [P12277](#)**Gene Name** CKB**Gene Alias** B-CK, CKBB**Gene Description** creatine kinase, brain**Omim ID** [123280](#)**Gene Ontology** [Hyperlink](#)

**Gene Summary** The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. A pseudogene of this gene has been characterized. [provided by RefSeq]

**Other Designations** brain creatine kinase|creatine kinase B-chain|creatine kinase-B

## Pathway

- [Arginine and proline metabolism](#)
- [Metabolic pathways](#)

## Disease

- [Macular Degeneration](#)