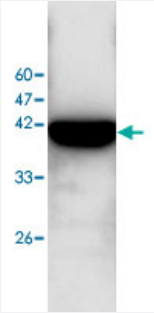
CKB polyclonal antibody

Catalog # PAB19125 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HEK293 whole cell lystae with CKB polyclonal antibody (Cat # PAB19125) at 1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against full length recombinant CKB.
Immunogen	Recombinant protein corresponding to full length human CKB.
Host	Rabbit
Reactivity	Human
Specificity	It can expression in HEK293 whole cell lysate.
Form	Liquid
Recommend Usage	Western blot (1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of HEK293 whole cell lystae with CKB polyclonal antibody (Cat # PAB19125) at 1:500 dilution.

- Enzyme-linked Immunoabsorbent Assay

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

Publication Reference

- Isoaspartyl Formation in Creatine Kinase B Is Associated with Loss of Enzymatic Activity; Implications for the Linkage of Isoaspartate Accumulation and Neurological Dysfunction in the PIMT Knockout Mouse.

  Dimitrijevic A, Qin Z, Aswad DW.

  PLoS One 2014 Jun; 9(6):e100622.

  Application: WB-Ti, Mouse, Brain

Pathway

- Arginine and proline metabolism
- Metabolic pathways

Disease

- Macular Degeneration