

Product datasheet for **AP13617PU-N**

Creatine kinase B type (CKB) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Flow cytometry.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human CKB.
Specificity:	This antibody reacts to Creatine Kinase BB (CKB).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Purified State: Liquid purified Ig
Concentration:	lot specific
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	creatine kinase B
Database Link:	Entrez Gene 1152 Human P12277



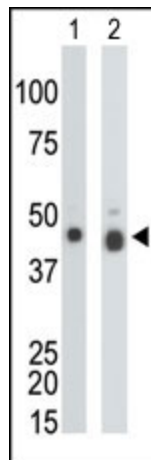
[View online »](#)

Background:

Creatine kinase isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. The CKB isoform, present in many tissues but especially brain, is a cytoplasmic enzyme involved in energy homeostasis. CKB reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. Creatine kinase B-driven energy transfer in the brain is important for habituation and spatial learning behaviour, mossy fibre field size and determination of seizure susceptibility. The encoded protein is a member of the ATP:guanido phosphotransferase protein family.

Synonyms:

Creatine kinase B-type, Creatine kinase B chain, B-CK, Creatine kinase BB, CKB

Product images:

The anti-CKB Pab is used in Western blot to detect CKB in mouse colon tissue lysate (Lane 1) and Y79 cell lysate (Lane 2).