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# Datasheet for ABIN391073 anti-CKB antibody (N-Term)

2 Images



#### Overview

Quantity:	400 µL
Target:	СКВ
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CKB antibody is un-conjugated
Application:	Western Blotting (WB)

#### Product Details

Immunogen:	This CKB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human CKB.
Clone:	RB5378
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

#### Target Details

Target:	СКВ
Alternative Name:	Creatine Kinase BB (CKB) (CKB Products)

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## Target Details

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.

Molecular Weight:	42644
Gene ID:	1152
NCBI Accession:	NP_001814
UniProt:	P12277

## Application Details

Application Notes:	WB: 1:1000. WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium 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,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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#### Western Blotting

**Image 1.** Western blot analysis of CKB (arrow) using rabbit polyclonal CKB Antibody (N5) (ABIN391073 and ABIN2841220). 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the CKB gene.

#### Western Blotting

**Image 2.** The anti-CKB Pab (ABIN391073 and ABIN2841220) is used in Western blot to detect CKB in mouse colon tissue lysate (Lane 1) and Y79 cell lysate (Lane 2).

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