

Datasheet for ABIN3042748
anti-CIB1 antibody (AA 6-191)



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1 Image

Overview

Quantity:	100 µg
Target:	CIB1
Binding Specificity:	AA 6-191
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CIB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-CIB1 Antibody Picoband®
Immunogen:	E.coli-derived human CIB1 recombinant protein (Position: S6-L191). Human CIB1 shares 93.5% amino acid (aa) sequence identity with both mouse and rat CIB1.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-CIB1 Antibody Picoband® (ABIN3042748). Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	CIB1
Alternative Name:	CIB1 (CIB1 Products)
Background:	Synonyms: Calcium and integrin-binding protein 1,CIB,Calcium- and integrin-binding protein,CIBP,Calmyrin,DNA-PKcs-interacting protein,Kinase-interacting protein,KIP,SNK-interacting protein 2-28,SIP2-28,CIB1,CIB, KIP, PRKDCIP, Tissue Specificity: Detected in platelets and in cell lines of megakaryocytic and erythrocytic lineages. Both isoform 1 and isoform 2 are detected in various cancer cell lines, with isoform 2 being the predominant form (at protein level). Ubiquitously expressed. . Background: Calcium and integrin-binding protein 1 is a protein that in humans is encoded by the CIB1 gene. This gene encodes a member of the EF-hand domain-containing calcium-binding superfamily. And this protein interacts with many other proteins, including the platelet integrin alpha-IIb-beta-3, DNA-dependent protein kinase, presenilin-2, focal adhesion kinase, p21 activated kinase, and protein kinase D. Moreover, the encoded protein may be involved in cell survival and proliferation, and is associated with several disease states including cancer and Alzheimer's disease. Alternative splicing results in multiple transcript variants. Sequence Similarities: Belongs to the MPI phosphatase family.
Molecular Weight:	27 kDa
Gene ID:	10519
UniProt:	Q99828

Application Details

Application Notes:	Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat 1. "Entrez Gene: CIB1 calcium and integrin binding 1 (calmyrin)". 2. Hattori A, Seki N, Hayashi A, Kozuma S, Saito T (Aug 2000). "Genomic structure of mouse and human genes for DNA-PKcs interacting protein (KIP)". DNA Seq 10 (6): 415-8. 3. Naik UP, Patel PM, Parise LV (Apr 1997). "Identification of a novel calcium-binding protein that interacts with the integrin alphallb cytoplasmic domain". J Biol Chem 272 (8): 4651-4.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

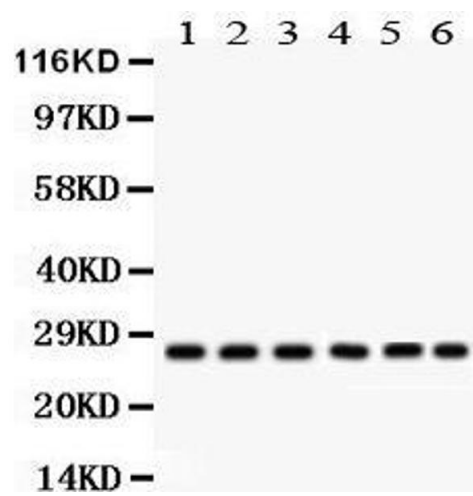
Handling

Format:	Lyophilized
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Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Western Blotting

Image 1. Anti- CIB1 Picoband antibody, Western blotting All lanes: Anti CIB1 at 0.5ug/ml Lane 1: Rat Spleen Tissue Lysate at 50ug Lane 2: Rat Brain Tissue Lysate at 50ug Lane 3: Rat Thymus Tissue Lysate at 50ug Lane 4: Human Placenta Tissue Lysate at 50ug Lane 5: MCF-7 Whole Cell Lysate at 40ug Lane 6: NIH3T3 Whole Cell Lysate at 40ug Predicted bind size: 27KD Observed bind size: 27KD