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Human CIB1 antibody

Catalog Number: ACI0807

PRODUCT INFORMATION

Catalog number

ACI0807

Clone No.

1D1

Product type

Monoclonal Antibody

UnitProt No.

Q99828

NCBI Accession No.

NP 006375

Alternative Names

Calcium and integrin binding 1, CIB, KIP (Kinase interacting protein), SIP2-28(SNK interacting protein2-28), CALMYRIN, CIB1, Calcium and integrin binding 1 Calcium and integrin binding 1 (calmyrin), Calcium and integrin binding protein 1, CIB, DNA PKcs interacting protein, Human Snk interacting protein 2 to 28 mRNA complete cds, Kinase interacting protein, PRKDCIP, SIP2 28, SNK interacting protein 2 to 28

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human CIB1 (1-191aa) purified from E. coli

Isotype

IgG2b kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB, ICC/IF

Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

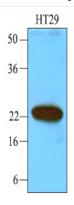
CIB1 (Calcium and integrin binding 1) is regulatory protein with 50% homology to calmodulin and calcineurin B, that encodes a member of the calcium-binding protein family. The specific function of this protein has not yet been determined; however this protein is known to interact with DNA-dependent protein kinase and may play a role in kinase-phosphatase regulation of DNA end joining. Also CIB1 is widely expressed and binds to a number of effectors, such as integrin alphallb, PAk1, and polo-like kinases in different tissues.

General References

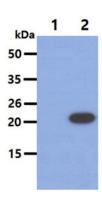
Yuan W, et al., (2006) Mol Cell Biol 26(22): 8507-14. Yuan W, et al., (2006) J Cell Biol 16 172(2):169-75.

DATA

Western blot analysis (WB)



The cell lysate of HT29 (40ug) was resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human CIB1 (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



The cell lysates (10ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CIB1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: 293T cell lysate

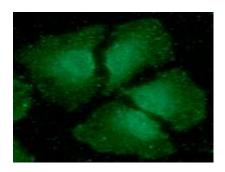
Lane 2.: CIB1 Transfected 293T cell lysate

Immunocytochemistry/Immunofluorescence (ICC/IF)

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ICC/IF analysis of CIB1 in HeLa cells. The cell was stained with ACI0807 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

