



# CIB1 mouse mAb

<b>Catalog No</b>	BYmab-03243
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	CIB1 CIB KIP PRKDCIP
<b>Protein Name</b>	CIB1
<b>Immunogen</b>	Synthesized peptide derived from human CIB1 AA range: 70-150
<b>Specificity</b>	This antibody detects endogenous levels of Human CIB1
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	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)
<b>Observed Band</b>	
<b>Cell Pathway</b>	Membrane; Lipid-anchor. Cell membrane, sarcolemma. Cell membrane. Apical cell membrane. Cell projection, ruffle membrane. Cell projection, filopodium tip. Cell projection, growth cone . Cell projection, lamellipodium . Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, perinuclear region. Nucleus . Cell projection, neuron projection . Perikaryon . Colocalized with PPP3R1 at the cell membrane of cardiomyocytes in the hypertrophic heart (By similarity). Colocalized with NBR1 to the perinuclear region. Colocalizes with TAS1R2 in apical regions of taste receptor cells. Colocalized with RAC3 in the perinuclear area and at the cell periphery. Colocalized with PAK1 within membrane ruffles during cell spreading upon readhesion to fibr
<b>Tissue Specificity</b>	Ubiquitously expressed. Expressed in the epidermis, hair follicles and keratinocytes (PubMed:30068544). Detected in platelets and in cell lines of megakaryocytic and erythrocytic lineages. Both isoform 1 and isoform 2 are

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detected in various cancer cell lines, with isoform 2 being the predominant form (at protein level).

**Function**

function:May convert the inactive conformation of integrin alpha-IIb/beta3 to an active form through the binding to the integrin cytoplasmic domain.,similarity:Contains 2 EF-hand domains.,subunit:Monomer. Interacts with the heterodimeric integrin alpha-IIb/beta3. Interacts with the protein kinases PLK2/SNK and with the region immediately upstream of the kinase domain of DNA-PK. Interacts with PSEN2. Interacts with MYO1C.,tissue specificity:Ubiquitous.,

**Background**

This gene encodes a member of the EF-hand domain-containing calcium-binding superfamily. The encoded 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. 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. [provided by RefSeq, Apr 2013],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images