

Product Name: CIB1 Mouse Monoclonal Antibody**Catalog #: AMM80555**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,IHC,ELISA
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000
Molecular Weight	21.7kDa

Antigen Information

Gene Name	CIB1
Alternative Names	CIB; KIP; KIP1; SIP2-28
Gene ID	10519.0
SwissProt ID	Q99828
Immunogen	Purified recombinant fragment of CIB1 expressed in E. Coli.

Background

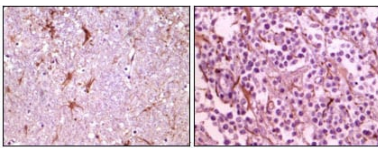
CIB1(also designated calcium and integrin binding 1 or calmyrin),with 191-amino acid protein(about 21kDa), belongs to the calcium-binding protein family.CIB1 is known to interact with DNA-dependent protein kinase and may play a role in kinase-phosphatase regulation of DNA end joining.CIB1 is an EF-hand-containing protein that binds multiple effector proteins,

including the platelet $\alpha(\text{IIb})\beta(3)$ integrin and several serine/threonine kinases and potentially modulates their function. CIB1 regulates platelet aggregation in hemostasis through a specific interaction with the $\alpha(\text{IIb})$ cytoplasmic domain of platelet integrin $\alpha(\text{IIb})\beta(3)$. CIB1 is also ubiquitously expressed activating and inhibiting protein ligand of the InsP3R.

Research Area

Apoptosis

Image Data



Immunohistochemical analysis of paraffin-embedded human thalamus (left) and glioma (right) tissue, showing membrane localization using CIB1 mouse mAb with DAB staining.