



Category: Monoclonal Antibodies
Product Name: Mouse Monoclonal Antibody to CIB1

Catalog Number: MAB-606020087

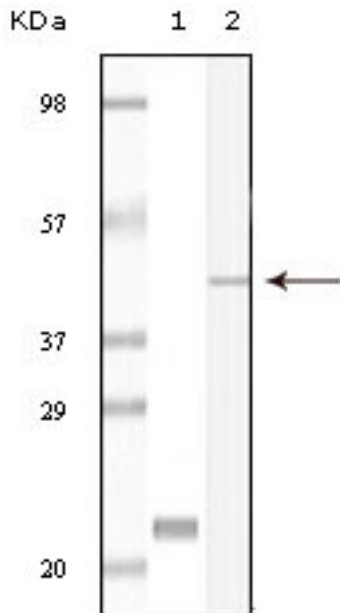


Figure 1: Western blot analysis using CIB1 mouse mAb against truncated CIB1 recombinant protein (1) and A431 cell lysate (2).

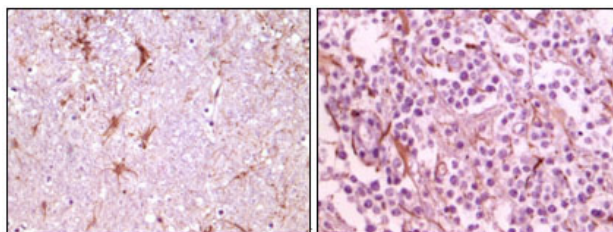


Figure 2: Immunohistochemical analysis of paraffin-embedded human thalamus (left) and glioma (right) tissue, showing membrane localization using CIB1 mouse mAb with DAB staining.

Lot#:
Clone#: 5A1F5E12, 5A1H7E12
Host and isotype:
Size: 0.1ml
MW:
Aliases: CIB; KIP; KIP1; SIP2-28
Entrez Gene: 10519
Species reactivity:

Description 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(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(IIb) cytoplasmic domain of platelet integrin alpha(IIb)beta(3). CIB1 is also ubiquitously expressed activating and inhibiting protein ligand of the InsP3R.

Immunogen Purified recombinant fragment of CIB1 expressed in E. Coli.

Application Western Blotting: 1/500 - 1/2000.

Immunohistochemistry: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

Formulation Ascitic fluid containing 0.03% sodium azide.

Storage Store at 4°C, for long term storage, store at -20°C.

Related product

References 1. Holly R. Gentry,Alex U. Singer, Laurie Betts. J. Biol. Chem., Mar 2005; 280: 8407 - 8415.
2. Carl White, Jun Yang, Mervyn J. Monteiro. J. Biol. Chem., Jul 2006; 281: 20825 - 20833.

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