

钙整合素结合蛋白 1 抗体

产品货号： mIR1682

英文名称： CIB1

中文名称： 钙整合素结合蛋白 1 抗体

别名： Sip2-28; Cibkip; Kip; Prkdcip; CIB1_HUMAN; 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.

研究领域： 肿瘤 转运蛋白 细胞粘附分子 结合蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Guinea Pig,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）
not yet tested in other applications.
optimal dilutions/concentrations should be determined by the end user.

分子量： 22kDa

细胞定位： 细胞核 细胞浆 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human CIB1:101-191/191

亚型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： CIB1(Calcium and integrin binding 1) may convert the inactive conformation of integrin alpha-IIb/beta3 to an active form through the binding to the integrin cytoplasmic domain.

Function:

May convert the inactive conformation of integrin alpha-IIb/beta3 to an active form through binding to the integrin cytoplasmic domain. Induces cell migration and spreading mediated through integrin (possibly via focal adhesion complexes). Functions as a negative regulator of stress activated MAP kinase (MAPK) signaling pathways. May play a role in regulation of apoptosis. Interacts with and up-regulates PTK2 activity. Down regulates inositol 1,4,5-trisphosphate receptor-dependent calcium signaling.

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 PLK3; leading to inhibit PLK3 kinase activity. Interacts with PSEN2. Interacts with MYO1C (By similarity). Interacts (via C-terminus) with F8. Interacts with NBR1 (via C-terminus). Interacts with FEZ1 (via C-terminus). Interacts with UBR5 (via C-terminus); the interaction is sensitive to DNA damage, and may target CIB1 for ubiquitin-mediated degradation. Interacts with IFI6. Interacts with BCL2. Interacts with TAS1R2 (via C-terminus); this interaction is independent of the myristoylation state of CIB1. Interacts with ITPR3; in a calcium dependent manner. Interacts with PTK2/FAK1. Interacts with MAP3K5; inhibiting MAP3K5 activation by phosphorylation, and its subsequent interaction with TRAF2.

Subcellular Location:

Membrane. Cytoplasm. Nucleus. Cell projection, filopodium. Apical cell membrane. Localizes to the perinuclear region in the presence of NBR1. Colocalizes with TAS1R2 in apical regions of taste receptor cells.

Tissue Specificity:

Ubiquitous.

Similarity:

Contains 2 EF-hand domains.

SWISS:

Q99828

Gene ID:

10519

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CIB1 是通过抑制 eurekalet AK1 (p21 蛋白激酶) 来发挥作用的。当 CIB1 激活 PAK1 后, 会促发一系列蛋白磷酸化, 从而抑制细胞迁移。CIB1 在抑制肿瘤转移中有很重要的作用。