

## 磷酸化钙调节素抗体

产品货号： mlR8519

英文名称： phospho-Calmodulin 1/2/3 (Ser102)

中文名称： 磷酸化钙调节素抗体

别名： p-CaM I (Ser 102); Calmodulin 1/2/3(phospho S102); Calmodulin 1/2/3; CALM 1; CALM 2; CALM 3; CALM; CALM1; CALM2; CALM3; CALML2; Calmodulin 1; Calmodulin1; CAM 1; CAM 2; CAM 3; CaM; CAM I; CAM1; CAM2; CAM3; CAMB; CAMC; CAMI; CAMIII; DD132; PHKD; Phosphorylase kinase delta; Phosphorylase kinase delta subunit; Calmodulin1; Calmodulin 1; Calmodulin-1; Calmodulin2; Calmodulin 2; Calmodulin-2; Calmodulin3; Calmodulin 3; Calmodulin-3; CALM1\_HUMAN.

产品类型： 磷酸化抗体

研究领域： 肿瘤 细胞生物 免疫学 信号转导 转录调节因子 细胞表面分子

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （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： 16kDa

细胞定位： 细胞浆

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthesised phosphopeptide derived from human CaM I around the phosphorylation site of Ser102:YI(p-S)AA

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 :** Calmodulin consists of two glycoproteins, 34 and 39 kDa, sometimes designated epithelial antigen, epithelial specific antigen, and epithelial glycoprotein. The glycoproteins are located on the cell membrane surface and in the cytoplasm of virtually all epithelial cells with the exception of most squamous epithelia, hepatocytes, renal proximal tubular cells, gastric parietal cells and myoepithelial cells. Epithelial Calmodulin is found in the large majority of adenocarcinomas of most sites (50-100% in various studies; as well as neuroendocrine tumours, including small cell carcinoma. Renal cell carcinoma and hepatocellular carcinoma stain in about 30% of the cases. Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+). Among the enzymes to be stimulated by the calmodulin Ca(2+) complex are a number of protein kinases and phosphatases. Calmodulin has four functional calcium binding sites.

**Subunit:**

Interacts with MYO1C and RRAD. Interacts with MYO10 (By similarity). Interacts with CEP97, CEP110, TTN/titin and SRY. Interacts with USP6; the interaction is calcium dependent. Interacts with CDK5RAP2. Interacts with SCN5A. Interacts with RYR1 and RYR2.

**Subcellular Location:**

Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Note=Distributed throughout the cell during interphase, but during mitosis becomes dramatically localized to the spindle poles and the spindle microtubules.

**Post-translational modifications:**

Ubiquitination results in a strongly decreased activity.

Phosphorylation results in a decreased activity.

**Similarity:**

Belongs to the calmodulin family. Contains 4 EF-hand domains.

**SWISS:**

P0DP23

**Gene ID:**

801

**Important Note:**

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

钙离子调节素 (calmodulin, CaM): 钙调蛋白 (CaM), 是由一条多肽链组成的单体蛋白。可结合 4 个  $\text{Ca}^{2+}$ , 胞浆  $\text{Ca}^{2+}$  浓度  $\geq 10\text{-}2\text{mmol/L}$  时,  $\text{Ca}^{2+}$  与 CaM 结合, 构象改变而激活  $\text{Ca}^{2+}$ -CaM 激酶。

产品图片

