

Recombinant Human CALM1 Protein ab94519

2 图像

描述	
产品名称	重组人CALM1蛋白
生物活性	The dilution curve of ab268375 was determined in a CAMK26δ activation assay using autocamtide-2 as substrate.
纯度	> 95 % SDS-PAGE. Purity determined to be >95% by densitometry.
表达系统	Escherichia coli
Accession	P0DP23
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
序列	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTAEALQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAK
氨基酸	1 to 149
标签	His tag N-Terminus
技术指标	
Our Abpromise guarantee covers the use of ab94519 in the following tested applications.	
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.	
应用	Functional Studies SDS-PAGE
形式	Liquid
制备和贮存	
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.5

Preservative: 1.02% Imidazole

Constituents: 0.002% PMSF, 0.82% Sodium phosphate, 0.004% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 25% Glycerol (glycerin, glycerine), 1.74% Sodium chloride

This product is an active protein and may elicit a biological response in vivo, handle with caution.

常规信息

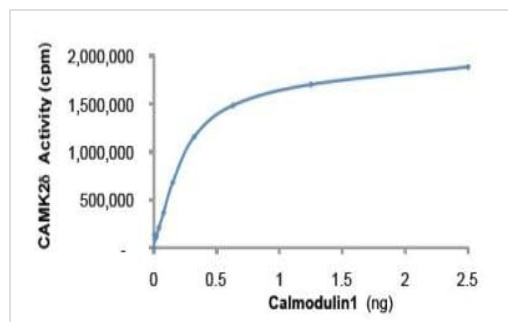
相关性

Function: Calmodulin mediates the control of a large number of enzymes and other proteins by $\text{Ca}(2+)$. Among the enzymes to be stimulated by the calmodulin- $\text{Ca}(2+)$ complex are a number of protein kinases and phosphatases. Together with CEP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.

细胞定位

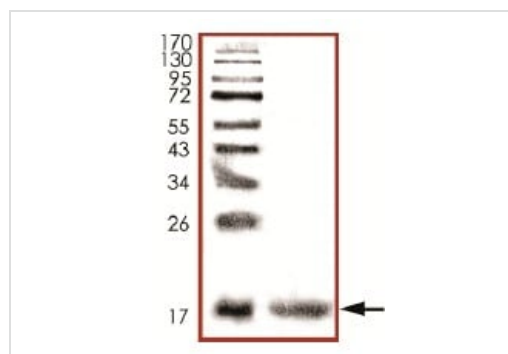
Cytoplasm > cytoskeleton > spindle. Cytoplasm > cytoskeleton > spindle pole. Distributed throughout the cell during interphase, but during mitosis becomes dramatically localized to the spindle poles and the spindle microtubules.

图片



Functional Studies - Recombinant Human
Calmodulin 1 Protein (ab94519)

ab94519 in a sample CAMK delta kinase activation assay. The assay was performed in 25 ng CAMK delta, 200 ng/μl autocamtide-2 peptide, 0.4mM CaCl_2 , 50 μM ATP and trace $[^{33}\text{P}]$ -gamma ATP in a 25 μl reaction volume for 15 minutes at 30°C.



SDS-PAGE - Recombinant Human Calmodulin 1
Protein (ab94519)

ab94519 analysed by SDS-PAGE.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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