

Recombinant human MARK2 protein ab119135

5 图像

描述

产品名称	重组人MARK2蛋白
生物活性	Specific Activity: 725 - 795 nmol/min/mg
纯度	> 70 % SDS-PAGE. Purity was determined to be >70% by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	Q7KZ17
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	114 kDa including tags
氨基酸	1 to 788

技术指标

Our [Abpromise guarantee](#) covers the use of **ab119135** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE Western blot Functional Studies
形式	Liquid
补充说明	ab204854 (Cdc25C peptide) can be utilized as a substrate for assessing kinase activity

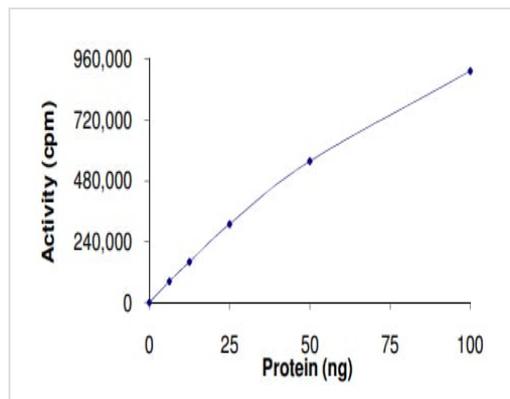
制备和贮存

稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

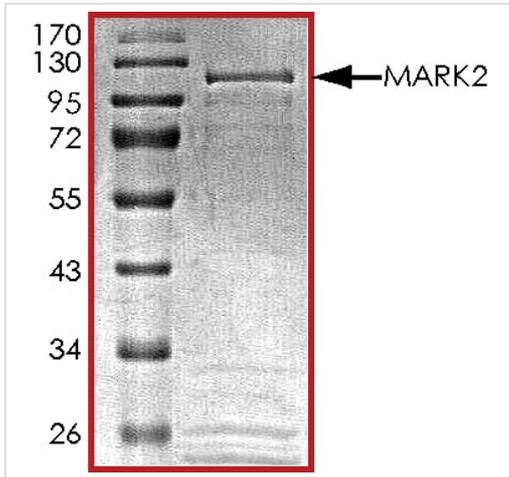
功能	Role in epithelial morphogenesis. Modulates the developmental decision to build a columnar versus a hepatic epithelial cell apparently by promoting a switch from a direct to a transcytotic mode of apical protein delivery. Essential for the asymmetric development of membrane domains of polarized epithelial cells. One or more isoforms may play a role in graft rejection.
组织特异性	High levels of expression in heart, brain, skeletal muscle and pancreas, lower levels observed in lung, liver and kidney.
序列相似性	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. MARK subfamily. Contains 1 KA1 (kinase-associated) domain. Contains 1 protein kinase domain. Contains 1 UBA domain.
细胞定位	Cell membrane. Phosphorylated by PRKCZ in polarized epithelial cells, resulting in an interaction with YWHAZ which promotes relocation from the lateral to the apical membrane.

图片



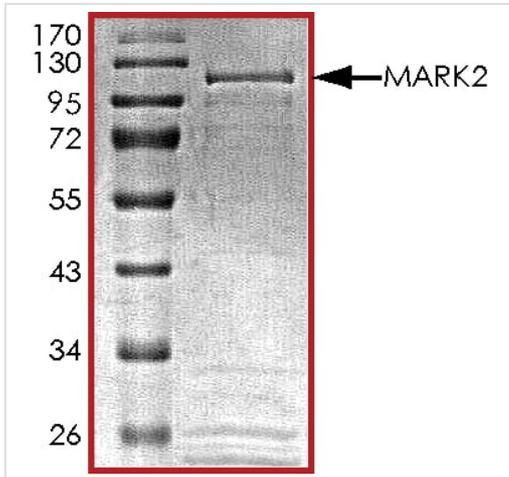
The specific activity of MARK2 (ab119135) was determined to be 790 nmol/min/mg as per activity assay protocol

Functional Studies - Recombinant human MARK2 protein (ab119135)



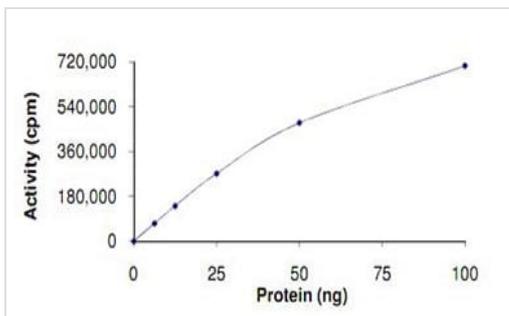
SDS PAGE analysis of ab119135

SDS-PAGE - Recombinant human MARK2 protein (ab119135)



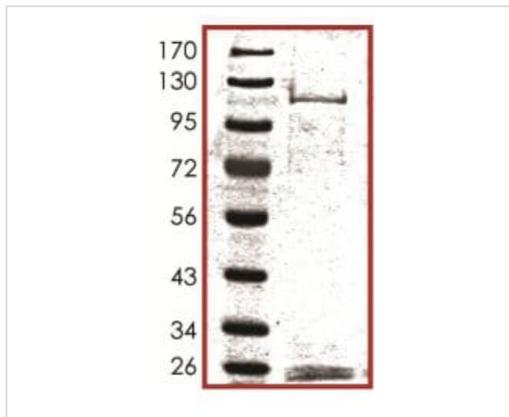
SDS PAGE analysis of ab119135

SDS-PAGE - Recombinant human MARK2 protein (ab119135)



Sample Kinase Activity Plot: The specific activity of ab119135 was determined to be 795 nmol/min/mg.

Functional Studies - Recombinant human MARK2 protein (ab119135)



SDS-PAGE analysis of ab119135.

SDS-PAGE - Recombinant human MARK2 protein
(ab119135)

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