

Recombinant human ZAK protein ab89852

5 图像

描述

产品名称	重组人ZAK蛋白
生物活性	The specific activity of ab89852 was determined to be 62 nmol/min/mg
纯度	> 70 % Densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<u>D4Q8H0</u>
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human

技术指标

Our **Abpromise guarantee** covers the use of **ab89852** 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	<u>ab64311</u> (Myelin Basic Protein protein) can be utilized as a substrate for assessing kinase activity

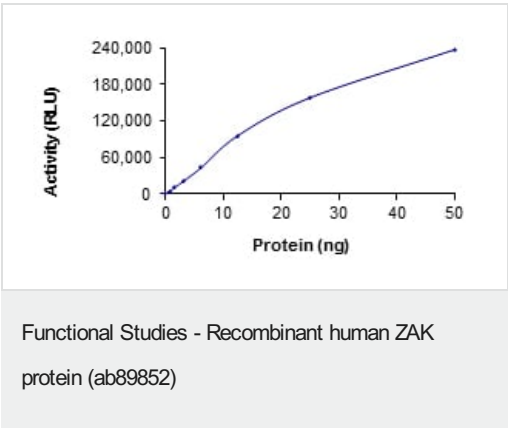
制备和贮存

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: 0.0038% EGTA, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol (glycerin, glycerine), 0.87% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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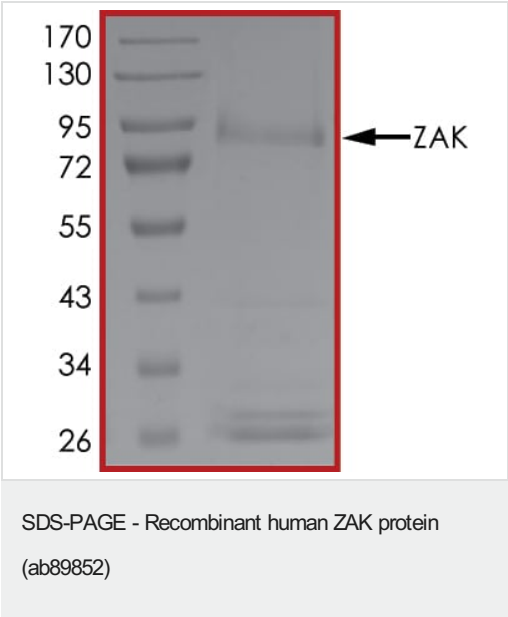
常规信息

功能	Stress-activated component of a protein kinase signal transduction cascade. Regulates the JNK and p38 pathways. Part of a signaling cascade that begins with the activation of the adrenergic receptor ADRA1B and leads to the activation of MAPK14. Pro-apoptotic. Role in regulation of S and G2 cell cycle checkpoint by direct phosphorylation of CHEK2. Isoform 1, but not isoform 2, causes cell shrinkage and disruption of actin stress fibers. Isoform 1 may have role in neoplastic cell transformation and cancer development. Isoform 1, but not isoform 2, phosphorylates histone H3 at 'Ser-28'.
组织特异性	Ubiquitously expressed. Isoform 2 is the predominant form in all tissues examined, except for liver, in which isoform 1 is more highly expressed.
序列相似性	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily. Contains 1 protein kinase domain. Contains 1 SAM (sterile alpha motif) domain.
细胞定位	Cytoplasm. Nucleus. Translocates to the nucleus upon ultraviolet B irradiation.

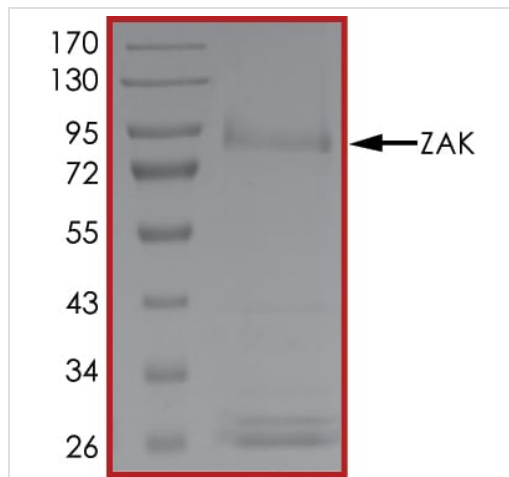
图片



The specific activity of ZAK (ab89852) was determined to be 19.8 nmol/min/mg as per activity assay protocol and was equivalent to 60 nmol/min/mg as per radiometric assay

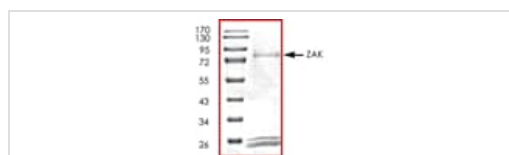


SDS PAGE analysis of ab89852



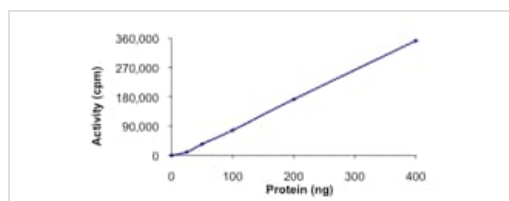
SDS PAGE analysis of ab89852

SDS-PAGE - Recombinant human ZAK protein
(ab89852)



SDS-PAGE showing ab89852 at approximately 82kDa

SDS-PAGE - Recombinant human ZAK protein
(ab89852)



Kinase Assay demonstrating specific activity of ab89852

Functional Studies - Recombinant human ZAK
protein (ab89852)

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