

Recombinant human PI 3 Kinase p85 alpha protein (Active) ab271646

画像数 2

カルタヘナ法

製品の詳細

製品名	Recombinant human PI 3 Kinase p85 alpha protein (Active)
生理活性	Specific activity: 1326 pmol/min/μg. Reactions (25 μl) were performed at 30°C for 15 mins using BPS PI3K substrate, and the samples were incubated with the ADPGlo reagent (25 μl) for 45 mins followed by incubation with the Kinase Detection reagent (50 μl) for 55 mins.
精製度	>= 95 % SDS-PAGE.
発現系	Baculovirus infected Sf9 cells
アクセッション番号	P42336
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	208 kDa
領域	1 to 1068
タグ	DDDDK tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab271646** in the following tested applications.

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

アプリケーション	Functional Studies SDS-PAGE
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製品の状態	Liquid
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前処理および保存

保存方法および安定性	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.
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pH: 8.00

Constituents: 0.63% Tris HCl, 0.64% Sodium chloride, 0.02% Potassium chloride, 0.04% Tween, 20% Glycerol (glycerin, glycerine), 0.01% TCEP

80 µg/ml DDDDK peptide

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

関連情報

機能

Binds to activated (phosphorylated) protein-Tyr kinases, through its SH2 domain, and acts as an adapter, mediating the association of the p110 catalytic unit to the plasma membrane. Necessary for the insulin-stimulated increase in glucose uptake and glycogen synthesis in insulin-sensitive tissues.

組織特異性

Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).

配列類似性

Belongs to the PI3K p85 subunit family.

Contains 1 Rho-GAP domain.

Contains 2 SH2 domains.

Contains 1 SH3 domain.

ドメイン

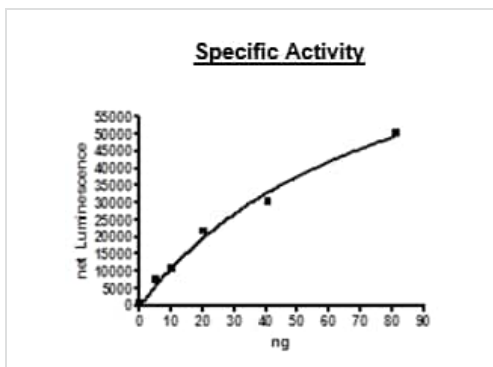
The SH3 domain mediates the binding to CBLB, and to HIV-1 Nef.

翻訳後修飾

Polyubiquitinated in T-cells by CBLB; which does not promote proteasomal degradation but impairs association with CD28 and CD3Z upon T-cell activation.

Phosphorylated. Dephosphorylated by PTPRJ.

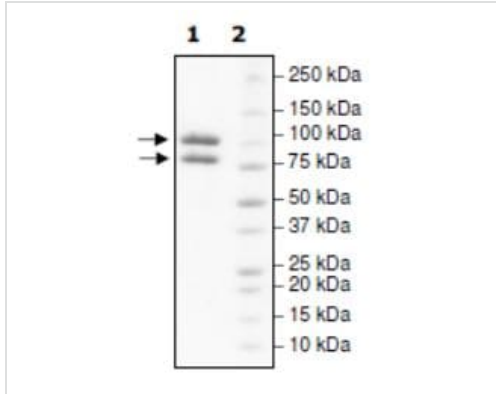
画像



Specific activity of ab271646 is 1326 pmol/min/µg.

Functional Studies - Recombinant human PI 3

Kinase p85 alpha protein (Active) (ab271646)



SDS-PAGE analysis of 4.2 µg ab271646.

SDS-PAGE - Recombinant human PI 3 Kinase p85
alpha protein (Active) (ab271646)

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

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