

Product datasheet

Recombinant human PAK1 protein ab95253

画像数 2

製品の概要

製品名	Recombinant human PAK1 protein
タンパク質長	Protein fragment

製品の詳細

由来	Recombinant
由来	Escherichia coli

アミノ酸配列

生物種	Human
領域	248 to 545

特性

Our [Abpromise guarantee](#) covers the use of **ab95253** in the following tested applications.

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

生理活性	<p>Specific Activity: 32638 pmoles/min/μg. Analysis of enzymatic activity was performed according to Zlyte assay protocol:</p> <p>Different concentration of PAK1 were incubated in a buffer containing 50 mM HEPES (pH7.5), 10 mM MgCl₂, 1 mM EGTA, 200 μM ATP, 0.01% Brij-35, and 2 μM substrate (SER/THR14) at room temperature for 1 hour.</p> <p>Developer solution was added to reaction and reaction was stopped after 1h of incubation at RT.</p> <p>Fluorescence was then detected using Lambda exc=460±40 nm and Lambda em=528±20 nm filters.</p>
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アプリケーション	<p>Functional Studies</p> <p>SDS-PAGE</p>
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精製度	> 95 % 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. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

Preservative: None

Constituents: 10% Glycerol, 5mM DTT, 25mM Tris HCl, 150mM Sodium chloride, pH 8.0

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

関連情報

機能

The activated kinase acts on a variety of targets. Likely to be the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. Activated by CDC42 and RAC1. Involved in dissolution of stress fibers and reorganization of focal complexes. Involved in regulation of microtubule biogenesis through phosphorylation of TBCB. Activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2.

配列類似性

Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CRIB domain. Contains 1 protein kinase domain.

翻訳後修飾

Autophosphorylated when activated by CDC42/p21 and RAC1.

細胞内局在

Cytoplasm. Cell junction > focal adhesion. Recruited to focal adhesions upon activation.

画像

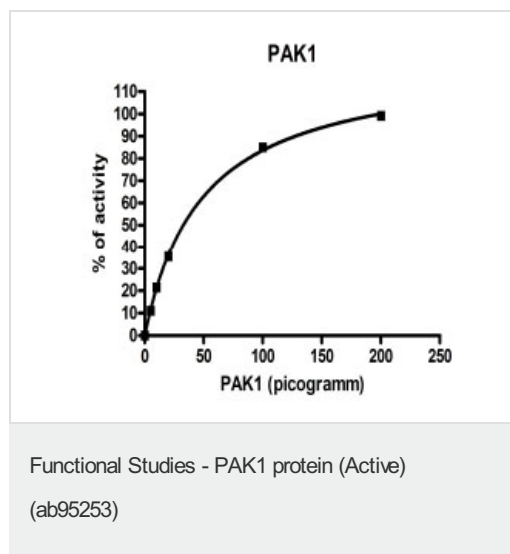
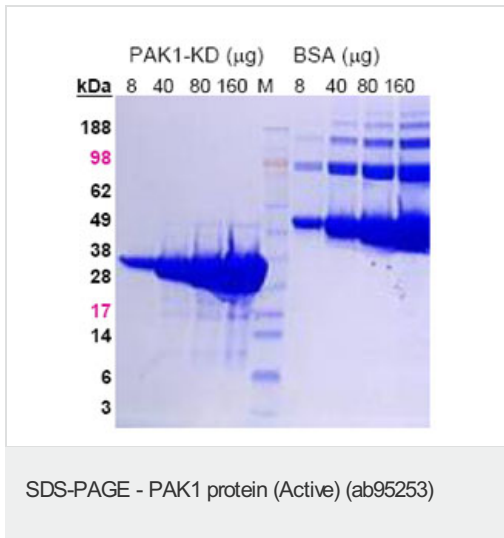


Image showing specific activity of ab95253.



SDS-PAGE analysis of PAK1 (ab95253) and BSA at conc. of 8, 40, 80 and 160 µg/ml.

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