

Product datasheet

Recombinant Human PAK1 protein ab45162

1 Image

Overview

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<b>Product name</b>	Recombinant Human PAK1 protein
<b>Protein length</b>	Full length protein

Description

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<b>Nature</b>	Recombinant
<b>Source</b>	Baculovirus infected Sf9 cells
<b>Amino Acid Sequence</b>	
<b>Species</b>	Human

Specifications

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Our [Abpromise guarantee](#) covers the use of **ab45162** in the following tested applications.

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

<b>Applications</b>	Western blot
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Form</b>	Liquid
<b>Additional notes</b>	Recombinant full-length human PAK1 was expressed by baculovirus in Sf9 insect cells.

Preparation and Storage

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<b>Stability and Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.0418% EGTA, 0.00174% PMSF, 0.385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol, 0.87% Sodium chloride
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General Info

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<b>Function</b>	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
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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.

#### Sequence similarities

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

#### Post-translational modifications

Autophosphorylated when activated by CDC42/p21 and RAC1.

#### Cellular localization

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

## Images



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