


Product datasheet

Anti-PAK1 antibody, prediluted ab32615

1 References 1 Image

Overview

Product name	Anti-PAK1 antibody, prediluted
Description	Rabbit polyclonal to PAK1, prediluted
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide: KPLSSLTPLIAAAKEATKNNH , corresponding to amino acids 525-544 of Rat PAK1 Run BLAST with Run BLAST with
Positive control	Brain extracts. Breast carcinoma.

Properties

Form	Prediluted
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.1% Sodium Azide Constituents: 1% BSA, 50mM Tris, pH 7.6
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab32615** in the following tested applications.

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

Application	Abreviews	Notes
IHC-P		

Application notes IHC-P: Ready-to-use for 30 min at RT. Perform heat mediated antigen retrieval by boiling tissue

sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min before commencing with IHC staining protocol.

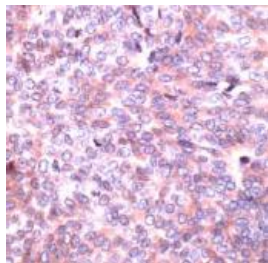
Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function	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.
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



Formalin fixed paraffin embedded human breast carcinoma stained with ab32615 at 1/50.

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) - PAK1 antibody (ab32615)

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