

Product datasheet

Anti-PAK3 antibody ab58281

[2 Images](#)

Overview

Product name	Anti-PAK3 antibody
Description	Mouse monoclonal to PAK3
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant fragment: MSDGLDNEEK PPAPPLRMNS NNRDSSALNH SSKPLPMAPE EKNKKARLRS IFPGGDKTN KKKEKERPEI SLPSPDFEHTI HVGFDAVTGE , corresponding to amino acids 1-90 of Human PAK3 Run BLAST with ExPASy Run BLAST with NCBI

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None PBS, pH 7.2
Purity	Protein G purified
Clonality	Monoclonal
Isotype	IgG2a
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab58281** 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
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 62 kDa.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.

Target

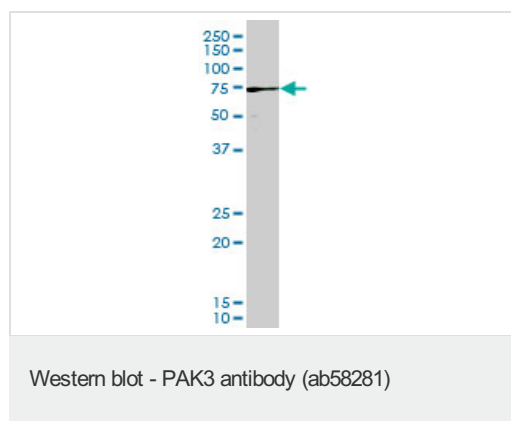
Relevance

PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins serve as targets for the small GTP binding proteins Cdc42 and RAC and have been implicated in a wide range of biological activities. PAK3 forms an activated complex with GTP-bound RAS-like (P21), CDC2 and RAC1 proteins which then catalyzes a variety of targets. It may be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. A point mutation in this gene has been linked to nonsyndromic X-linked mental retardation.

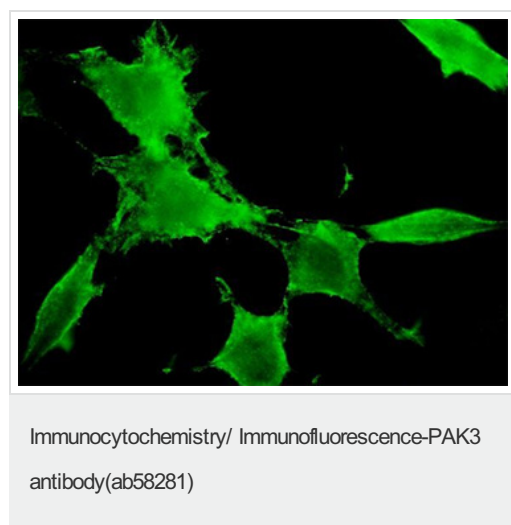
Cellular localization

Cytoplasmic

Images



PAK3 antibody (ab58281) at 1 µg/lane +
NIH/3T3 cell lysate at 25 µg/lane.



ab58281 at 10 µg/ml staining PAK3 in mouse
NIH/3T3 cells by Immunocytochemistry/
Immunofluorescence.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors