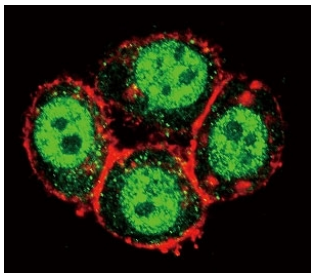
PAK1 Antibody (F50890)

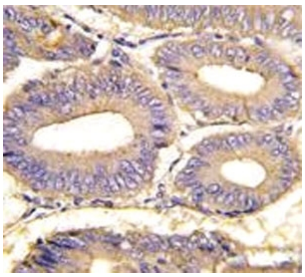
Catalog No.	Formulation	Size
F50890-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50890-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

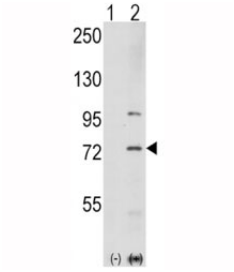
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Bovine, Rabbit, Xenopus
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q13153
Applications	Western blot: 1:1000 Immunofluorescence: 1:10-1:50 IHC (Paraffin): 1:10-1:50
Limitations	This PAK1 antibody is available for research use only.



Confocal immunofluorescent analysis of PAK1 antibody with HeLa cells followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). Actin filaments have been labeled with Alexa Fluor 555 Phalloidin (red).



IHC analysis of FFPE human colon carcinoma tissue stained with PAK1 antibody



Western blot analysis of PAK1 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the PAK1 gene (2). Expected molecular weight 60~70kDa.

Description

PAK1, a member of the STE20 subfamily of Ser/Thr protein kinases, acts on a variety of targets. It is likely to be the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. Activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2. The protein interacts tightly with GTP-bound but not GDP-bound CDC42/P21 and RAC1. PAK1 binds to the caspase-cleaved p110 isoform of CDC2L1 and CDC2L2, p110C, but not the full-length proteins. It is a component of cytoplasmic complexes, which also contain PXN, ARHGEF6 and GIT1. The protein is autophosphorylated when activated by CDC42/p21. Structurally, the PAK1 contains 1 CRIB domain.

Application Notes

Titration of the PAK1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 401-430 from the human protein was used as the immunogen for this PAK1 antibody.

Storage

Aliquot the PAK1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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