

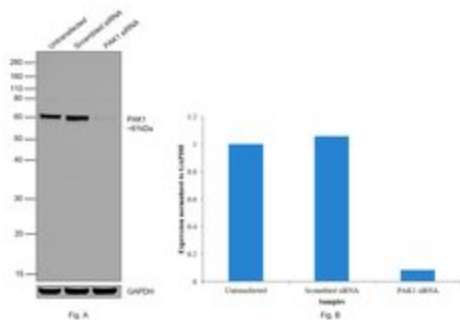
PAK1 Polyclonal Antibody

Product Details	
Size	100 µg
Species	Human, Mouse, Rat
Published Species	Rabbit, Human, Mouse
Expression System	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from an internal sequence in the human PAK1 protein. This sequence is identical in human, mouse, and rat PAK1.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2534005

Applications	Tested Dilution	Publications
ELISA (ELISA)	Assay Dependent	-
Immunocytochemistry (ICC)	1-2 µg/mL	-
Immunofluorescence (IF)	1-2 µg/mL	5 Publications
Immunoprecipitation (IP)	Assay Dependent	-
Western Blot (WB)	0.5-2 µg/mL	4 Publications

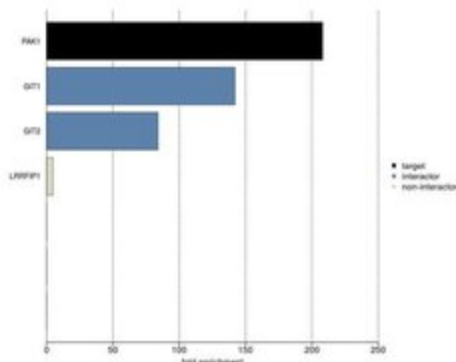
PAK1 Antibody (71-9300)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. Caco-2 cells were transfected with PAK1 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-PAK1 Polyclonal Antibody (Product # 71-9300). Knockdown validation info.



PAK1 Antibody (71-9300)

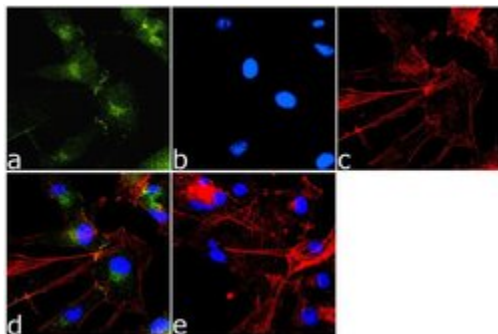
IP-MS enrichment of PAK1 (LFQ intensity): PAK1 was enriched 208-fold from HEK293 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and PAK1 antibody (Product # 71-9300). The STRING database (www.string-db.org) was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.



Product Images For PAK1 Polyclonal Antibody

PAK1 Antibody (71-9300) in IF

Immunofluorescence analysis of PAK-1 was done on 70% confluent log phase U87MG cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 5% BSA for 1 hour at room temperature. The cells were labeled with PAK-1 Rabbit Polyclonal Antibody (Product # 71-9300) at 2 µg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d is a merged image showing cytoplasmic localization. Panel e is a no primary antibody control. The images were captured at 60X magnification.



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Western Blot (4)

PloS one

PAK1 protein expression in the auditory cortex of schizophrenia subjects.

"71-9300 was used in western blot to determine if auditory cortex PAK protein expression in schizophrenia is decreased.

Authors: Deo AJ, Goldszer IM, Li S, DiBitetto JV, Henteleff R, Sampson A, Lewis DA, Penzes P, Sweet RA

Species
Human

Dilution
1:1000

Year
2013

Journal of molecular and cellular cardiology

Functional integrity of the T-tubular system in cardiomyocytes depends on p21-activated kinase 1.

"71-9300 was used in western blot to identify the role of p21-activated kinase 1 in the T-tubular system in cardiomyocytes"

Authors: DeSantiago J, Bare DJ, Ke Y, Sheehan KA, Solaro RJ, Banach K

Species
Rabbit

Dilution
Not Cited

Year
2013

[View more WB references on thermofisher.com](#)

Immunofluorescence (5)

Journal of molecular and cellular cardiology

Functional integrity of the T-tubular system in cardiomyocytes depends on p21-activated kinase 1.

"71-9300 was used in western blot to identify the role of p21-activated kinase 1 in the T-tubular system in cardiomyocytes"

Authors: DeSantiago J, Bare DJ, Ke Y, Sheehan KA, Solaro RJ, Banach K

Species
Rabbit

Dilution
Not Cited

Year
2013

The Journal of biological chemistry

Dynein light chain 1 phosphorylation controls macropinocytosis.

Authors: Yang Z, Vadlamudi RK, Kumar R

Species
Human
Mouse

Dilution
Not Cited
Not Cited

Year
2005

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More applications with references on thermofisher.com

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