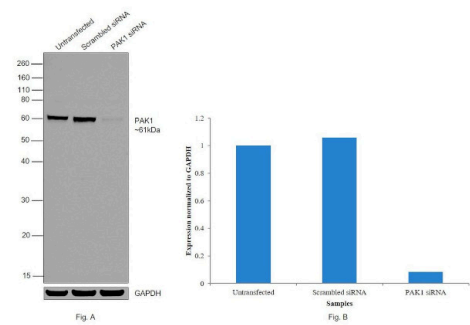


PAK1 Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rabbit, Human, Mouse
Host/Isotype	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
Western Blot (WB)	0.5-2 µg/mL	4 Publications
Immunohistochemistry (IHC)	-	1 Publication
Immunocytochemistry (ICC/IF)	1-2 µg/mL	4 Publications
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-

Product Images For PAK1 Polyclonal Antibody

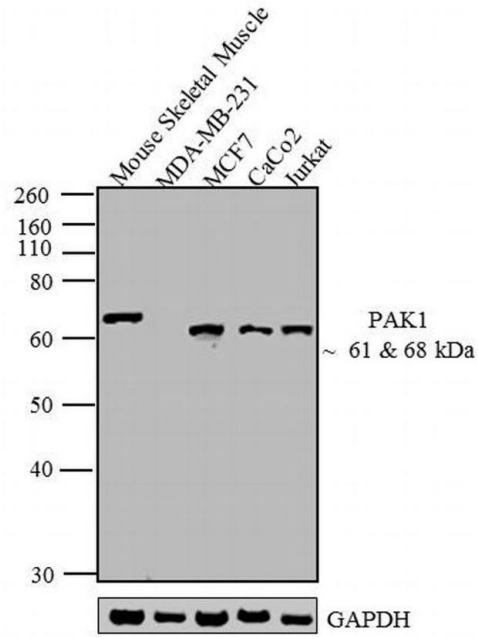


PAK1 Antibody (71-9300)

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). {KD}

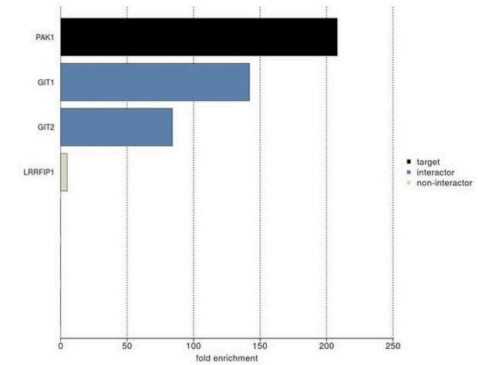
PAK1 Antibody (71-9300) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Mouse Skeletal Muscle (Lane 1), MDA-MB-231 (lane 2), MCF7 (lane 3), CaCo-2 (lane 4) and Jurkat (lane 5). The blots were probed with Anti-PAK1 Rabbit Polyclonal Antibody (Product # 71-9300, 0.5-2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL, 1:2500 dilution). Two bands ~ 61 & 68 kDa corresponding to PAK1 were observed across cell lines and tissues tested expect in MDA-MB-231. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 10 % Bis-Tris gel (Product # NP0302BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



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}



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Western Blot (4)

<p>PloS one</p> <p>PAK1 protein expression in the auditory cortex of schizophrenia subjects.</p> <p>"Published figure using PAK1 polyclonal antibody (Product # 71-9300) in Western Blot"</p> <p>Authors: Deo AJ,Goldszer IM,Li S,DiBitetto JV,Henteleff R,Sampson A,Lewis DA,Penzes P,Sweet RA</p>	<p>Year 2013</p> <p>Species Human</p> <p>Dilution 1:1000</p>
<p>Journal of molecular and cellular cardiology</p> <p>Functional integrity of the T-tubular system in cardiomyocytes depends on p21-activated kinase 1.</p> <p>"Published figure using PAK1 polyclonal antibody (Product # 71-9300) in Western Blot"</p> <p>Authors: DeSantiago J,Bare DJ,Ke Y,Sheehan KA,Solaro RJ,Banach K</p>	<p>Year 2013</p> <p>Species Rabbit</p>

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Immunohistochemistry (1)

<p>Journal of molecular and cellular cardiology</p> <p>Functional integrity of the T-tubular system in cardiomyocytes depends on p21-activated kinase 1.</p> <p>"Published figure using PAK1 polyclonal antibody (Product # 71-9300) in Western Blot"</p> <p>Authors: DeSantiago J,Bare DJ,Ke Y,Sheehan KA,Solaro RJ,Banach K</p>	<p>Year 2013</p> <p>Species Rabbit</p>
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Immunocytochemistry (4)

<p>The Journal of biological chemistry</p> <p>Dynein light chain 1 phosphorylation controls macropinocytosis.</p> <p>Authors: Yang Z,Vadlamudi RK,Kumar R</p>	<p>Year 2005</p> <p>Species Human Mouse</p>
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