

# PAK1 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Non-human primate, Pig, Rat, Guinea pig
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to the amino-terminus of human PAK1
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/mL BSA, 50% glycerol
Contains	no preservative
Storage conditions	-20°C
RRID	AB_10999945

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
Immunohistochemistry (Paraffin) (IHC (P))	1:100	-
Immunoprecipitation (IP)	1:50	-

## Product Specific Information

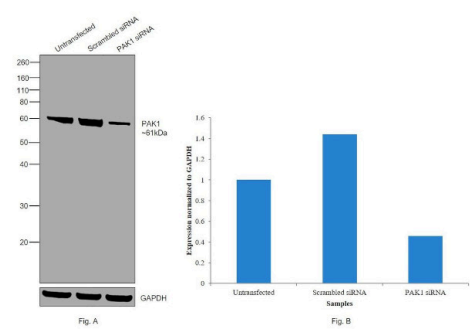
It is not recommended to aliquot this antibody.

This antibody is not cross-reactive with PAK2, PAK3 or other PAK family members.

Product Images For PAK1 Polyclonal Antibody

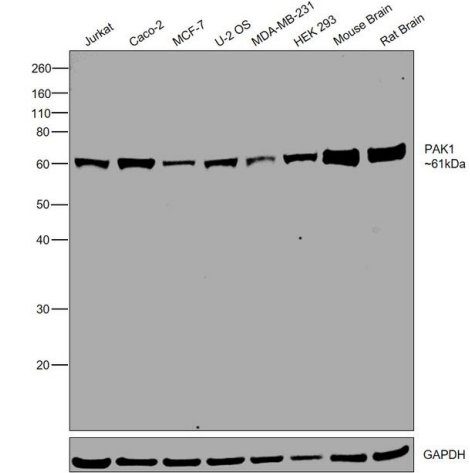
PAK1 Antibody (PA5-17798)

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 # PA5-17798). {KD}



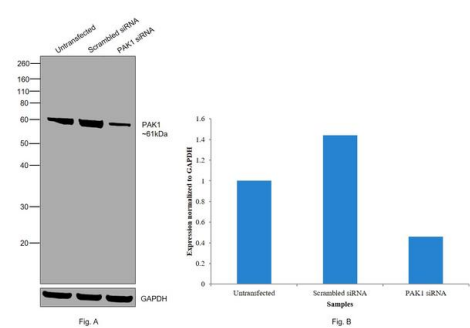
PAK1 Antibody (PA5-17798) in WB

Western blot was performed using Anti-PAK1 Polyclonal Antibody(Product # PA5-17798) and a 61kDa band corresponding to PAK1 was observed across all tested cell lines and tissues. Whole cell extracts (30 µg lysate) of Jurkat (Lane 1), Caco-2 (Lane 2), MCF7 (Lane 3), U-2 OS (Lane 4), MDA-MB-231 (Lane 5), HEK-293 (Lane 6), Mouse Brain (Lane 7), Rat Brain (Lane 8) were electrophoresed using NuPAGE™ 10% Bis-Tris Protein Gel (Product # NP0302BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



PAK1 Antibody (PA5-17798) in WB

Knockdown of PAK1 was achieved by transfecting Caco-2 with PAK1 specific siRNAs (Silencer® select Product # S10020, S10021). Western blot analysis (Fig. a) was performed using Whole cell extracts from the PAK1 knockdown cells (lane 3), non-targeting scrambled siRNA transfected cells (lane 2) and untransfected cells (lane 1). The blot was probed with PAK1 Polyclonal Antibody (Product # PA5-17798, 1:1000) and Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000). Densitometric analysis of this western blot is shown in histogram (Fig. b). Decrease in signal upon siRNA mediated knock down confirms that antibody is specific to PAK1.



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