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PAK1/2/3 Polyclonal Antibody

Catalog Number **PA5-36102**

Product data sheet

Details

Size	100 µL
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Synthetic peptide corresponding to amino acids 400-450 of human PAK1
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity

Species reactivity	Human, Mouse, Rat

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:200
Western Blot (WB)	1:500-1:1,000
Immunocytochemistry (ICC/IF)	1:50-1:200

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

This antibody detects endogenous protein at a molecular weight of 60-70 kDa. Purity is >95% by SDS-PAGE.

Background/Target Information

In mammals, there are several identified isoforms of p21-Activated Protein Kinases or PAKs: alpha-PAK (also known as PAK-1) and beta-PAK (also known as PAK-3) are mostly brain-specific, while gamma-PAK (also known as PAK-2) is expressed ubiquitously (Jakobi et al., 2003). Mutations of the gene coding for PAK-3 are associated wit X-linked mental retardation and recent work indicates that PAK-3 is a key regulator of synapse formation and plasticity in the hippocampus (Boda et al., 2004). PAK-3 is thought to play a key role in regulation of cell shape and motility as well as cell death (Jakobi et al., 2003; Walter et al., 1998). Autophosphorylation of Thr402 in the protein has been found to be essential for activation of PAK (Jakobi et al., 2000).

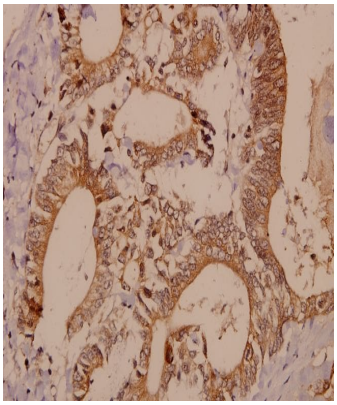
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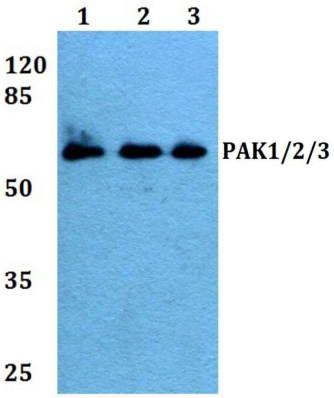
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Product Images For PAK1/2/3 Polyclonal Antibody



PAK1/2/3 Antibody (PA5-36102) in IHC (P)

Immunohistochemical analysis of PAK1+PAK2+PAK3 in paraffin-embedded human colorectal carcinoma using PAK1+PAK2+PAK3 polyclonal antibody (Product # PA5-36102) at a dilution of 1:50.



PAK1/2/3 Antibody (PA5-36102) in WB

Western blot analysis of PAK1+PAK2+PAK3 using PAK1+PAK2+PAK3 polyclonal antibody (Product # PA5-36102) at a dilution of 1:500. Lane 1: HEK293T whole cell lysate, Lane 2: Raw264.7 whole cell lysate, Lane 3: H9C2 whole cell lysate.

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Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA

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