

PAK1/2/3 Polyclonal Antibody

Catalog NumberPA5-38310

Product data sheet

Details		Tested Applications		Dilution *	
Size	100 µg	Immunohistochemistry (Paraffin) (IHC (P))		1:50-1:100	
Host/Isotope	Rabbit / IgG				
Class	Polyclonal	Western Blot (WB)		1:500-1:1,000	
Type	Antibody				
Immunogen	A synthetic non-phosphopeptide derived from human PAK1/2/3 around the phosphorylation site of Thr423/402/421 (R-S-TP-M-V)				
Conjugate	Unconjugated				
Form	Liquid				
Concentration	1 mg/mL				
Storage Conditions	-20°C				

* 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.

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).

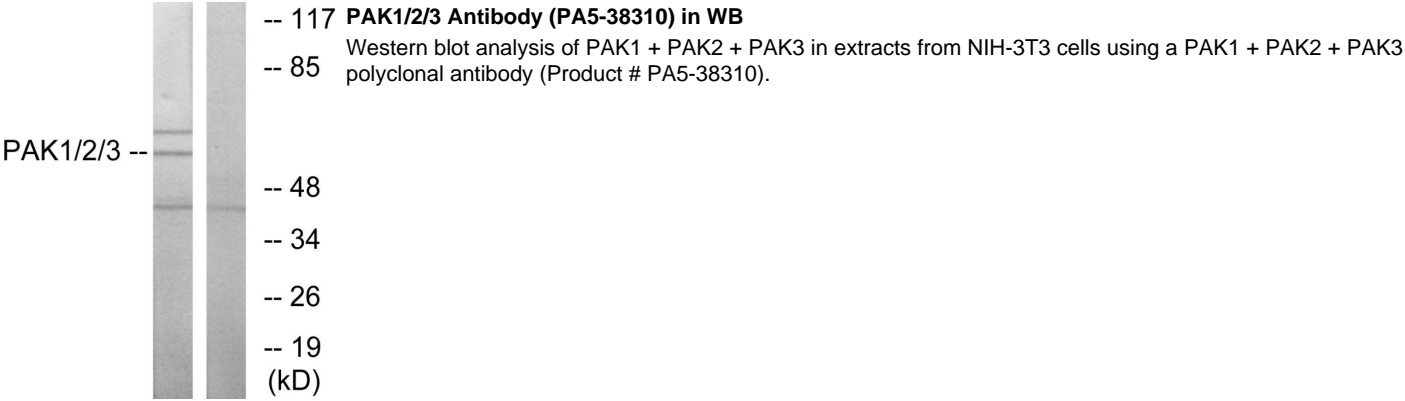
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Product Images For PAK1/2/3 Polyclonal Antibody



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