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Anti-PAK-1,2,3 (Thr402) Antibody

Our Anti-PAK-1,2,3 (Thr402) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions

Catalog # AN1508

Specification

Anti-PAK-1,2,3 (Thr402) Antibody - Product Information

Primary Accession	P35465
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	60578

Anti-PAK-1,2,3 (Thr402) Antibody - Additional Information

Gene ID	29431

Other Names

Alpha PAK antibody, Beta PAK antibody, bPAK antibody, CDKN1A antibody, Gamma PAK antibody, hPAK3 antibody, MRX30 antibody, MRX47 antibody, Oligophrenin 3 antibody, OPHN3 antibody, P21 (CDKN1A) activated kinase 2 antibody, P21 (CDKN1A) activated kinase 3 antibody, p21 activated kinase 1 antibody, p21 activated kinase 2 antibody, p21 activated kinase 3 antibody, P21 protein (Cdc42/Rac) activated kinase 1 antibody, P21 protein (Cdc42/Rac) activated kinase 2 antibody, P21 protein (Cdc42/Rac) activated kinase 3 antibody, P21/Cdc42/Rac1 activated kinase 1 (STE20 homolog yeast) antibody, P21/Cdc42/Rac1 activated kinase 1 (yeast Ste20 related) antibody, P58 antibody, P65 PAK antibody, PAK 2 antibody, PAK 3 antibody, PAK1 antibody, PAK2 antibody, PAK3 antibody, PAK3beta antibody, PAK65 antibody, PAKalpha antibody, PAKgamma antibody, S6/H4 kinase antibody, Serine/threonine protein kinase PAK 1 antibody, Serine/threonine protein kinase PAK 2 antibody, Serine/threonine protein kinase PAK 3 antibody, Serine/threonine protein kinase PAK1 antibody, Serine/threonine protein kinase PAK2 antibody, Serine/threonine protein kinase PAK3 antibody, STE20 homolog yeast antibody

Target/Specificity

In mammals, there are several identified isoforms of p21-activated protein kinases or PAKs: α-PAK (also known as PAK-1) and β-PAK (also known as PAK-3) are mostly brain-specific, while γ-PAK (also known as PAK-2) is expressed ubiquitously (Jakobi et al., 2003). Mutations of the gene coding for PAK-3 are associated with 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 Thr-402 in the protein has been found to be essential for activation of PAK (Jakobi et al., 2000).

Format

Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-PAK-1,2,3 (Thr402) Antibody is for research use only and not for use in diagnostic or

therapeutic procedures.

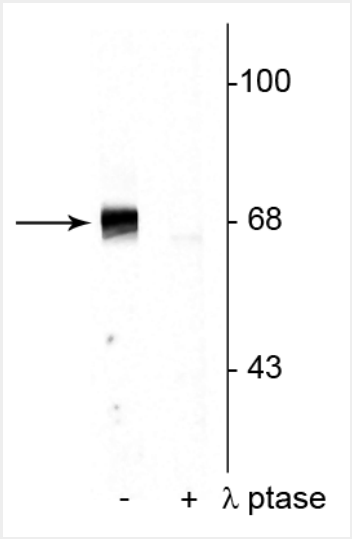
Shipping
Blue Ice

Anti-PAK-1,2,3 (Thr402) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PAK-1,2,3 (Thr402) Antibody - Images



Western blot of rat hippocampal lysate showing specific immunolabeling of the ~68 kDa to ~70 kDa PAK protein phosphorylated at Ser402 in the first lane (-). Phosphospecificity is shown in the second lane (+) where the immunolabeling is completely eliminated by blot treatment with lambda phosphatase (λ-Ptase, 1200 units for 30 minutes).

Anti-PAK-1,2,3 (Thr402) Antibody - Background

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