

Anti-PAK-1 (Thr84) Antibody

Our Anti-PAK-1 (Thr84) rabbit polyclonal phosphospecific primary antibody from PhosphoSolutions is p
Catalog # AN1507

Product Information

Application	WB
Primary Accession	Q13153
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	60647

Additional Information

Gene ID	5058
Other Names	ADRB2 antibody, Alpha PAK antibody, Alpha-PAK antibody, MGC130000 antibody, MGC130001 antibody, p21 activated kinase 1 antibody, p21 protein (Cdc42/Rac) activated kinase 1 antibody, p21-activated kinase 1 antibody, p21/Cdc42/Rac1 activated kinase 1 (yeast Ste20 related) antibody, p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog yeast) antibody, p65 PAK antibody, p65-PAK antibody, P68-PAK antibody, PAK alpha antibody, PAK-1 antibody, Pak1 antibody, PAK1_HUMAN antibody, Paka antibody, PAKalpha antibody, Protein kinase MUK2 antibody, Rac/p21-activated kinase antibody, Serine/threonine-protein kinase PAK 1 antibody, STE20 homolog yeast antibody

Target/Specificity	PAKs, p21 activated kinases, are a family of serine/threonine protein kinases comprised of six isoforms, PAK1-6, and they play important roles in cytoskeleton dynamics, cell survival and proliferation (Ye et al, 2012). Each of these isoforms contains a C-terminal catalytic domain and an N-terminal regulatory domain with a small G protein binding motif (Chen et al, 2004). OSR1, oxidative stress response 1, is activated only by osmotic stresses, like sorbital or NaCl (Chen et al, 2004). It has been predicted that OSR1 phosphorylates PAK1 in the regulatory domain at thr84 and inhibits activation of JNK and MAPK pathway. (Chen et al, 2004). It has also been suggested that OSR1 may have a regulating function with actin cytoskeleton because it can phosphorylate PAK1 at Thr-84 and bind to gelsolin (Chen et al, 2004).
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Dilution	WB~~1:1000
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 (Thr84) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.