

Datasheet for ABIN6658268
anti-PAK1/2/3 antibody (pThr402)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	PAK1/2/3
Binding Specificity:	pThr402
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK1/2/3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	PAK 1/2/3 phospho T402 Antibody
Immunogen:	Anti-PAK 1/2/3 pT402 Antibody was produced by repeated immunizations with a synthetic phospho-peptide corresponding to amino acid residues surrounding Thr402.
Isotype:	IgG
Cross-Reactivity (Details):	Anti-PAK 1/2/3 pT402 antibody is directed against rat PAK protein.
Purification:	The antibody was affinity purified from monospecific antiserum by immunoaffinity purification and is specific for the phosphorylated protein.

Target Details

Target:	PAK1/2/3
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Target Details

Alternative Name:	PAK 1/2/3 (PAK1/2/3 Products)
Background:	<p>Synonyms: Serine/threonine-protein kinase PAK 1, Alpha-PAK, Protein kinase MUK2, p21-activated kinase 1, p68-PAK</p> <p>Background: PAK 1/2/3 pT402 Antibody detects PAK 1/2/3 pT402 proteins. 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. 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. PAK-3 is thought to play a key role in regulation of cell shape and motility as well as cell death. Autophosphorylation of Thr402 in the protein has been found to be essential for activation of PAK. Anti-PAK 1/2/3 pT402 Antibody is ideal for investigators involved in Neuroscience and Apoptosis research.</p> <p>Gene Name: PAK1-3</p>
Gene ID:	29431
UniProt:	P35465

Application Details

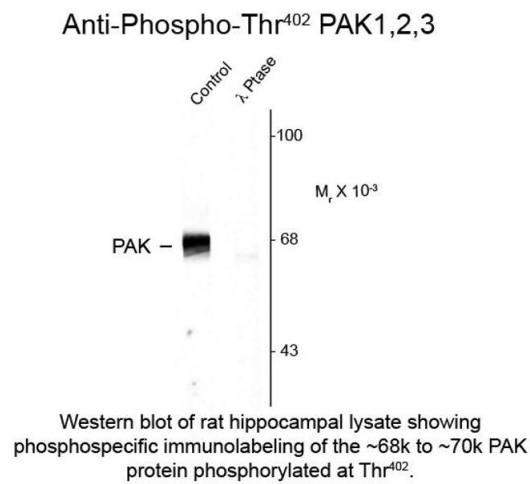
Application Notes:	<p>Western_Blot_Dilution: 1:1000</p> <p>Other: User Optimized</p>
Comment:	Anti-PAK 1/2/3 pT402 Antibody is tested for use in Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 68-70 kDa in size corresponding to PAK proteins phosphorylated at Thr402 in the appropriate cell lysate or extract.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5</p> <p>Stabilizer: 0.1 mg/mL Bovine Serum Albumin (BSA) - IgG and Protease free, 50 % (v/v) Glycerol</p>
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and

thawing. Dilute only prior to immediate use.

Expiry Date: 12 months



Western Blotting

Image 1. Western blot of Anti-PAK 1/2/3 pT402 (Rabbit) Antibody - 612-401-E05 Western Blot of Rabbit anti-PAK 1/2/3 pT402 antibody. Lane 1: rat hippocampal lysate (control). Lane 2: λ-Ptase. Load: 10 µg per lane. Primary antibody: PAK 1/2/3 pT402 antibody at 1:1,000 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 68-70 kDa for PAK 1/2/3 pT402. Other band(s): none.