Datasheet for ABIN744488

anti-PAK1/2 antibody (pSer192, pSer197, pSer199, pSer204)

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Overview

Quantity:	100 µL
Target:	PAK1/2
Binding Specificity:	pSer192, pSer197, pSer199, pSer204
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK1/2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PAK1 around the phosphorylation site of Ser199/204
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PAK1/2

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Target Details

Alternative Name:	PAK1 +PAK2 + (PAK1/2 Products)
Background:	Synonyms: PAK1 + PAK2 phospho S199 + S204, PAK2 phospho S192 + S197, PAKalpha, serine/threonine-protein kinase PAK 1, p21 activated kinase 1, PAK alpha, Paka, PAKalpha, Protein kinase MUK2, STE20 homolog yeast, Alpha PAK, p21/Cdc42/Rac1 activated kinase 1, CB422, EC 2.7.11.1, Gamma PAK, hPAK65, Kinase, p21 CDKN1A-activated kinase 2a, p21 activated kinase 2, p21 protein Cdc42/Rac-activated kinase 2, p21 protein Cdc42 Rac activated kinase 2, p21-activated kinase, 65-KD, p21-activated protein kinase I, p21CDKN1A activated kinase 2, p58, p65PAK, PAK 2, PAK65, PAKgamma, S6 H4 kinase, Serine threonine protein kinase PAK 2, Serine/threonine-protein kinase PAK 3, p21-activated kinase 3, PAK-3, Beta-PAK, PAK1_HUMAN, PAK2_HUMAN. Background: In mammals, there are several identified isoforms of p21 Activated Protein Kinases or PAKs: PAK1 and PAK3 are mostly brain specific, while PAK2 is expressed ubiquitously. Mutations of the gene coding for PAK3 are associated with X linked mental retardation and PAK3 is a key regulator of synapse formation and plasticity in the hippocampus. PAK3 is thought to play a key role in regulation of cell shape and motility as well as cell death. P21-activated kinase (PAK) is actually a family of serine/threonine protein kinases, members of which are activated by small molecular weight GTPases. The three most common isoforms are PAK 1, PAK 2, and PAK 3 (also known as alpha PAK, gamma PAK, and beta PAK, respectively). These kinases contain numerous regulatory elements that trigger diverse signaling processes such as those initiated by activated GTPases, interaction with Src homology 3 (SH3) domains, and caspase mediated proteolytic cleavage. Autophosphorylation of serine 141 (serine 144 for PAK 1 and serine 139 PAK 3), catalyzed by Cdc42, is required for activation of PAK.
Gene ID:	5058

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

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