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Datasheet for ABIN732548  
**anti-PAK1/2/3 antibody (pThr423)**

## Overview

Quantity:	100 µL
Target:	PAK1/2/3
Binding Specificity:	pThr423
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK1/2/3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human PAK1 around the phosphorylation site of (Thr423)
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

## Target Details

Target:	PAK1/2/3
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## Target Details

Alternative Name:	PAK1/2/3 ( <a href="#">PAK1/2/3 Products</a> )
Background:	<p>Synonyms: PAK1 + PAK2 + PAK3 phospho T423, Alpha PAK, Beta PAK, Gamma PAK, Oligophrenin 3, OPHN3, p21 activated kinase 1, p21 Activated Kinase 1 + 2 + 3, p21 activated kinase 2 , p21 activated kinase 3, P65 PAK, PAK1, PAK2, PAK3, PAK3beta, PAK65, PAKalpha, PAKgamma, S6/H4 kinase, Serine/threonine protein kinase PAK 1, Serine/threonine protein kinase PAK 2, Serine/threonine protein kinase PAK 3, Serine/threonine protein kinase PAK1, Serine/threonine protein kinase PAK2, Serine/threonine protein kinase PAK3, PAK1_HUMAN, PAK2_HUMAN, PAK3_HUMAN.</p> <p>Background: The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell.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.</p>

Gene ID:	5058
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## 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
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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