Datasheet for ABIN969338

anti-PAK2 antibody

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Overview

Quantity:	100 µL
Target:	PAK2
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of PAK2 expressed in E. coli.
Clone:	3B5
Isotype:	IgG1
Purification:	purified

Target Details

Target:	PAK2
Alternative Name:	PAK2 (PAK2 Products)
Background:	Description: PAK2, also known as P21 (CDKN1A)-activated kinase 2. 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

Target Details

	biological activities. PAK2 is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. PAK2 has been shown to interact with SH3KBP1, CDC42 and Abl gene. Aliases: PAK65, PAKgamma
Molecular Weight:	61 kDa
Gene ID:	5062
HGNC:	5062
Pathways:	MAPK Signaling, RTK Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000
Restrictions:	For Research Use only

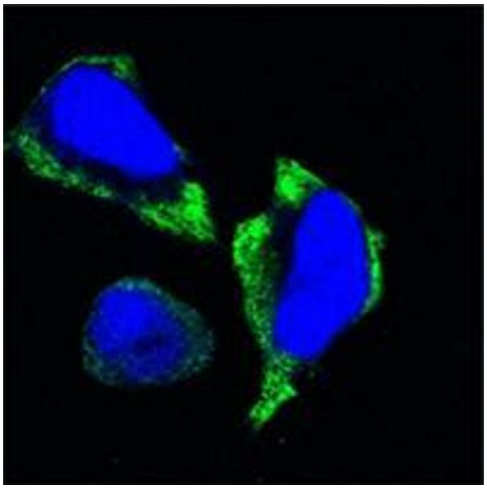
Handling

Format:	Liquid
Buffer:	Ascitic fluid containing 0.03 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	4°C, -20°C for long term storage

Publications

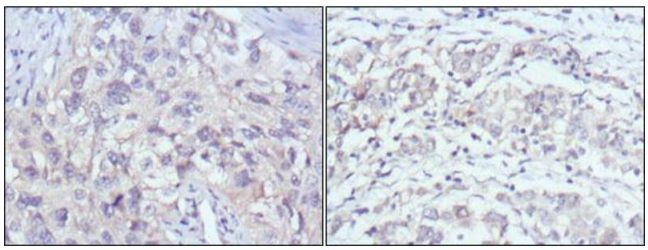
Product cited in:	Machuy, Campa, Thieck, Rudel: "c-Abl-binding protein interacts with p21-activated kinase 2 (PAK-2) to regulate PDGF-induced membrane ruffles." in: **Journal of molecular biology**, Vol. 370, Issue 4, pp. 620-32, (2007) (PubMed). Chu, Wu, Liao, Pardo, Zhao, Li, Mendenhall, Pali, Shen, Yu, Taylor, Aversa, Molineaux, Payan, Masuda: "A novel role for p21-activated protein kinase 2 in T cell activation." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 172, Issue 12, pp. 7324-34, (2004) (PubMed).

Images



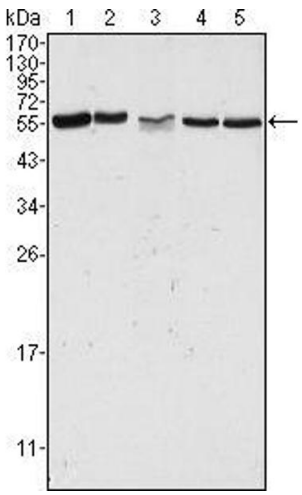
Immunofluorescence

Image 1. Confocal immunofluorescence analysis of Hela cells using PAK2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Immunohistochemistry

Image 2. Immunohistochemical analysis of paraffin-embedded human lung cancer (left) and gastric cancer (right) using PAK2 mouse mAb with DAB staining.



Western Blotting

Image 3. Western blot analysis using PAK2 mouse mAb against Hela (1), Jurkat (2), A549 (3), HEK293 (4) and K562 (5) cell lysate.

