

Rabbit PAK1/PAK2/PAK3 Polyclonal Antibody | anti-PAK1/PAK2/PAK3 antibody

PAK1/PAK2/PAK3 (Phospho-Thr423/Thr402/Thr421) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA306153	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry

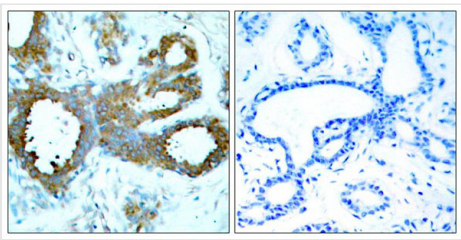
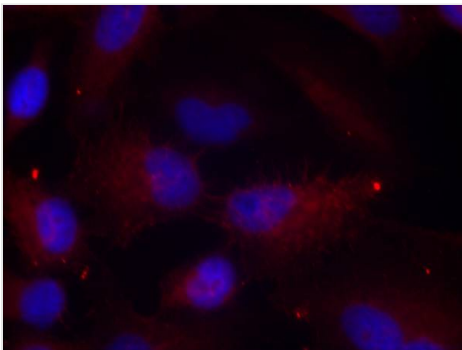
PRODUCT SYNONYMS

PAK1/PAK2/PAK3; Polyclonal Antibody; PAK1/PAK2/PAK3 (Phospho-Thr423/Thr402/Thr421) Antibody; p21-activated kinase 1; PAK-1; p65-PAK; Alpha-PAK; anti-PAK1/PAK2/PAK3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The Antibody detects endogenous level of PAK1/PAK2/PAK3 only when phosphorylated at threonine 423/402/421.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	553
Applicable Applications for anti-PAK1/PAK2/PAK3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of threonine 423 /402/421 (R-S-T(p)-M-V) derived from Human PAK1/PAK2/PAK3.
Modification	Phospho-Thr423/Thr402/Thr421
Target Name	PAK1/PAK2/PAK3
Preparation and Storage	Store at -20 degree C for long term preservation (recommended). Store at 4 degree C for short term use.

IMAGES



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PAK1/PAK2/PAK3(Phospho-Thr423/Thr402/Thr421) Antibody (left) or the same antibody preincubated with blocking peptide(right).

IF (Immunofluorescence)
Immunofluorescence staining of methanol-fixed HeLa cells using PAK1/PAK2/PAK3(Phospho-Thr423/Thr402/Thr421) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PAK1/PAK2/PAK3 antibody	The activated kinase acts on a variety of targets. Likely to be the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. Activated by CDC42 and RAC1. Involved in dissolution of stress fibers and reorganization of focal complexes. Involved in regulation of microtubule biogenesis through phosphorylation of TBCB. Activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2.
Product Categories/Family for anti-PAK1/PAK2/PAK3 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	190886457
NCBI GeneID	5058
NCBI Accession #	NP_001122092.1
NCBI GenBank Nucleotide #	NM_001128620.1
UniProt Accession #	Q13153; O75561; Q13567; Q32M53; Q32M54; Q86W79
Molecular Weight	61,632 Da
NCBI Official Full Name	serine/threonine-protein kinase PAK 1 isoform 1
NCBI Official Synonym Full Names	p21 protein (Cdc42/Rac)-activated kinase 1
NCBI Official Symbol	PAK1
NCBI Official Synonym Symbols	PAKalpha
NCBI Protein Information	serine/threonine-protein kinase PAK 1
UniProt Protein Name	Serine/threonine-protein kinase PAK 1
UniProt Gene Name	PAK1
UniProt Synonym Gene Names	PAK-1
UniProt Entry Name	PAK1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.