

PAK1/PAK2/PAK3 recombinant antibody

Phospho-PAK1/PAK2/PAK3 (S144+S141+S139) Antibody

CATALOG # AAA235577	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

PAK1/PAK2/PAK3; Monoclonal Recombinant Antibody; Phospho-PAK1/PAK2/PAK3 (S144+S141+S139) Antibody; Serine/threonine-protein kinase PAK 3; Beta-PAK; Oligophrenin-3; p21-activated kinase 3; PAK-3; PAK3; OPHN3; PAK1/PAK2/PAK3 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity-Chromatography
Form/Format	Liquid; In phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	544
Applicable Applications for PAK1/PAK2/PAK3 recombinant antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from human Phospho-PAK1/PAK2/PAK3 (S144+S141+S139)
Conjugate	Non-Conjugated
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

IHC image of CSB-RA017407A144pHU diluted at 1:100 and staining in paraffin-embedded rat brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in A549 whole cell lysate (treated with EGF or not) All lanes? Phospho-PAK1/PAK2/PAK3 antibody at 1.2ug/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 65 KDa Observed band size: 65 KDa

ADDITIONAL INFORMATION

Related Product Information for PAK1/PAK2/PAK3 recombinant antibody	Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, or cell cycle regulation. Plays a role in dendrite spine morphogenesis as well as synapse formation and plasticity. Acts as downstream effector of the small GTPases CDC42 and RAC1. Activation by the binding of active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates MAPK4 and MAPK6 and activates the downstream target MAPKAPK5, a regulator of F-actin polymerization and cell migration. Additionally, phosphorylates TNNI3/troponin I to modulate calcium sensitivity and relaxation kinetics of thin myofilaments. May also be involved in early neuronal development.
Product Categories/Family for PAK1/PAK2/PAK3 recombinant antibody	Recombinant Antibody ; Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	189491751
NCBI GeneID	5063
NCBI Accession #	NP_001121638.1
NCBI GenBank Nucleotide #	NM_001128166.2
UniProt Accession #	O75914 ; Q5JWX1 ; Q5JWX2 ; Q7Z2D6 ; Q7Z2E4 ; Q7Z3Z8 ; Q8WWK5 ; Q8WX23 ; A8K389 ; B1GX77 ; B1GX78 ; B1GX79
Molecular Weight	60,693 Da
NCBI Official Full Name	serine/threonine-protein kinase PAK 3 isoform a
NCBI Official Synonym Full Names	p21 (RAC1) activated kinase 3
NCBI Official Symbol	PAK3
NCBI Official Synonym Symbols	ARA; bPAK; MRX30; MRX47; OPHN3; PAK-3; PAK3beta; beta-PAK
NCBI Protein Information	serine/threonine-protein kinase PAK 3
UniProt Protein Name	Serine/threonine-protein kinase PAK 3
UniProt Gene Name	PAK3
UniProt Synonym Gene Names	OPHN3; PAK-3

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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/pak1-pak2-pak3-recombinant-antibody-immunohistochemistry-western-blot-elisa/235577>