

Rabbit anti-Human PAK5/6 Polyclonal Antibody | anti-PAK5 antibody

PAK5/6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322585	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

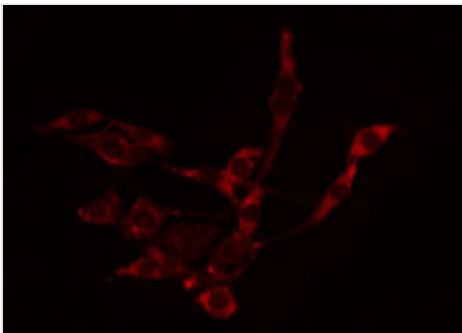
PRODUCT SYNONYMS

PAK5/6; Polyclonal Antibody; PAK5/6 Antibody; EC 2.7.11.1; KIAA1264; MGC26232; p21 activated kinase 7; p21 protein (Cdc42/Rac)-activated kinase 7; p21(CDKN1A) activated kinase 7; p21-activated kinase 5; p21-activated kinase 7; PAK 5; PAK 7; PAK-5; PAK-7; PAK5; PAK7; PAK7_HUMAN; Protein kinase PAK5; Serine/threonine protein kinase PAK 7; Serine/threonine-protein kinase PAK 7; CDKN1A activated kinase 6; EC 2.7.1.37; p21 activated protein kinase 6; p21 protein (Cdc42/Rac)-activated kinase 6; p21(CDKN1A) activated kinase 6; p21-activated kinase 6; p21activated kinase 6; PAK 6; PAK-6; Pak6; PAK6_HUMAN; Serine threonine protein kinase PAK 6; Serine/threonine protein kinase PAK 6; Serine/threonine protein kinase PAK6; Serine/threonine-protein kinase PAK 6; anti-PAK5 antibody

PRODUCT SPECIFICATIONS

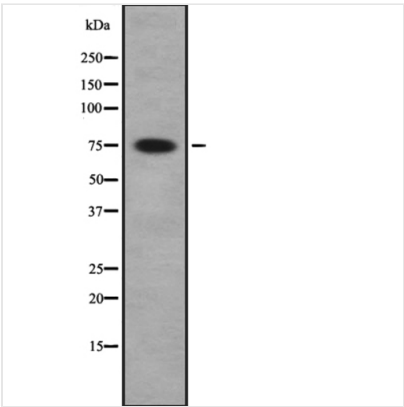
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PAK5/6 antibody detects endogenous levels of total PAK5/6
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	719
Applicable Applications for anti-PAK5 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PAK5/6
Subcellular Location	Nucleus; Mitochondrion
Tissue Specificity	Predominantly expressed in brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (91%), Xenopus (91%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA322585 staining LOVO by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of PAK5/6 using COLO whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-PAK5 antibody	Function: Serine/threonine protein kinase that plays a role in a variety of different signaling pathways including cytoskeleton regulation, cell migration, proliferation or cell survival. Activation by various effectors including growth factor receptors or active CDC42 and RAC1 results in a conformational change and a subsequent autophosphorylation on several serine and/or threonine residues. Phosphorylates the proto-oncogene RAF1 and stimulates its kinase activity. Promotes cell survival by phosphorylating the BCL2 antagonist of cell death BAD. Phosphorylates CTNND1, probably to regulate cytoskeletal organization and cell morphology. Keeps microtubules stable through MARK2 inhibition and destabilizes the F-actin network leading to the disappearance of stress fibers and focal adhesions. Subunit Structure: Interacts tightly with GTP-bound but not GDP-bound CDC42/p21 and RAC1. Interacts with MARK2, leading to inhibit MARK2 independently of kinase activity. Interacts with RHOD and RHOH. Post-translational Modifications: Autophosphorylated when activated by CDC42/p21. Similarity: An autoinhibitory domain is present in the N-terminal region of the protein. Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24308191
NCBI GeneID	57144
NCBI Accession #	NP_065074.1
NCBI GenBank Nucleotide #	NM_020341.3
UniProt Accession #	Q9P286; Q5W115; Q8TB93; Q9BX09; Q9ULF6; A8K5T6; D3DW14
Molecular Weight	Observed: 75 kDa Predicted: 81 kDa
NCBI Official Full Name	serine/threonine-protein kinase PAK 5
NCBI Official Synonym Full Names	p21 (RAC1) activated kinase 5
NCBI Official Symbol	PAK5
NCBI Official Synonym Symbols	PAK7
NCBI Protein Information	serine/threonine-protein kinase PAK 5
UniProt Protein Name	Serine/threonine-protein kinase PAK 5
UniProt Gene Name	PAK5

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/polyclonal/pak5-6-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/322585>