

Rabbit anti-Human PAK5 Polyclonal Antibody | anti-PAK7 antibody

PAK5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39695	Rabbit	Human	Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

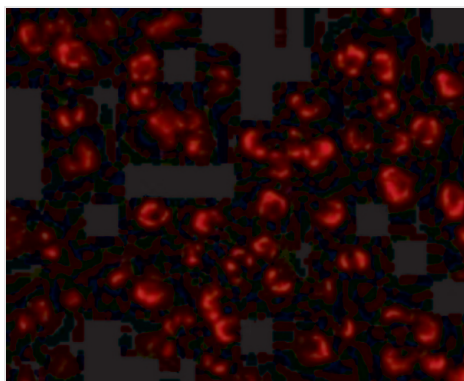
PRODUCT SYNONYMS

PAK5; Polyclonal Antibody; PAK5 Antibody; KIAA1264; p21-activated kinase 5; PAK-5; p21 protein (Cdc42/Rac)-activated kinase 7; anti-PAK7 antibody

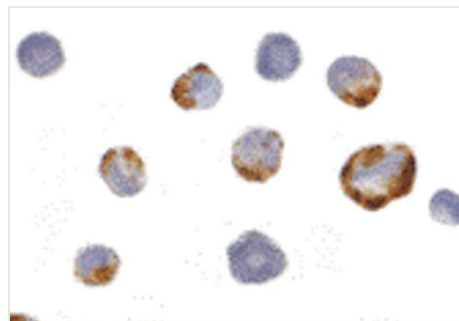
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	PAK5 Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	719
Applicable Applications for anti-PAK7 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PAK5 antibody was raised against a 13 amino acid synthetic peptide from near the center of human PAK5.
Buffer	PAK5 Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.

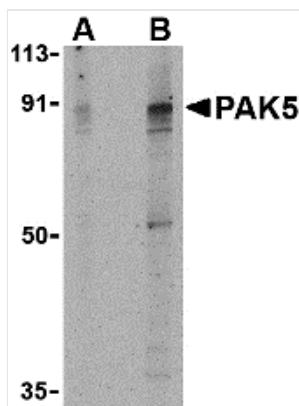
IMAGES


IF (Immunofluorescence)

Immunofluorescence of PAK5 in K562 cells with PAK5 antibody at 10 &#956;g/mL.


ICC (Immunocytochemistry)

Immunocytochemistry of PAK5 in K562 cells with PAK5 antibody at 2 &#956;g/mL.



WB (Western Blot)

Western blot analysis of PAK5 in T24 lysate with PAK5 antibody at (A) 2 and (B) 4 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-PAK7 antibody

PAK5 Antibody: The p21-activated kinases (PAKs) are serine-threonine kinases that bind to the active forms of Cdc42 and Rac. They are divided into two groups, the first of which include PAK1, 2 and 3, and can be activated by Cdc42/Rac binding. Group 1 PAKs contain an autoinhibitory domain whose activity is regulated by Cdc42/Rac binding. The group 1 PAKs are known to be involved in cellular processes such as gene transcription, apoptosis, and cell morphology and motility. Much less is known about the second group, which includes PAK4, 5 and 6. These proteins are not activated by Cdc42/Rac binding. PAK5 was initially identified as a kinase expressed primarily in brain that while possessing a kinase domain and GTPase binding domain similar to PAK4 and PAK6, is completely different from both. Expression of PAK5 in neural based cell lines resulted in neurite outgrowth suggesting that PAK5 may be involved in regulating the cytoskeletal changes necessary for promoting neurite outgrowth. Other experiments suggest that unlike the other PAKs, PAK5 may inhibit apoptosis by phosphorylating the Bcl-2 family member Bad.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12585290
NCBI GeneID	57144
UniProt Accession #	Q9P286; Q5W115; Q9BX09; Q9ULF6; A8K5T6; D3DW14
Molecular Weight	80,745 Da
NCBI Official Full Name	Serine/threonine-protein kinase PAK 7
NCBI Official Synonym Full Names	p21 protein (Cdc42/Rac)-activated kinase 7
NCBI Official Symbol	PAK7
NCBI Official Synonym Symbols	PAK5
NCBI Protein Information	serine/threonine-protein kinase PAK 7; PAK-5; PAK-7; protein kinase PAK5; p21-activated kinase 5; p21-activated kinase 7; p21CDKN1A-activated kinase 7; serine/threonine-protein kinase PAK7
UniProt Protein Name	Serine/threonine-protein kinase PAK 7
UniProt Gene Name	PAK7
UniProt Synonym Gene Names	KIAA1264; PAK5; PAK-5; PAK-7
UniProt Entry Name	PAK7_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.