

PAK5 Polyclonal Antibody | anti-PAK5 antibody

Anti-PAK5 Antibody

CATALOG # AAA46454	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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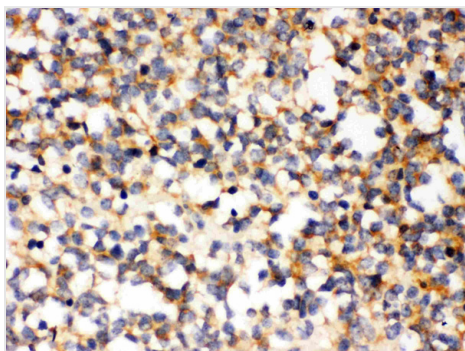
PRODUCT SYNONYMS

PAK5; Polyclonal Antibody; Anti-PAK5 Antibody; Serine/threonine-protein kinase PAK 7; 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; PAK7; PAK7_HUMAN; Protein kinase PAK5; Serine/threonine protein kinase PAK 7; anti-PAK5 antibody

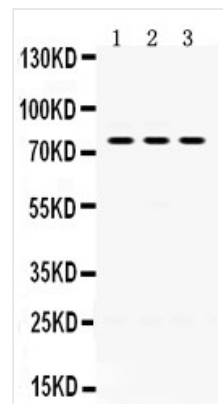
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	719
Applicable Applications for anti-PAK5 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human PAK5 (26-55aa DPQEQKFTGLPQQWHSLLADTANRPKPMVD), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti- PAK5 Picoband antibody, AAA46454, IHC(P)IHC(P): Human Glioma Tissue



WB (Western Blot)
Anti- PAK5 Picoband antibody, AAA46454, Western blottingAll lanes: Anti PAK5 (AAA46454) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 50ugLane 2: Mouse Brain Tissue Lysate at 50ugLane 3: U87 Whole Cell Lysate at 40ugPredicted bind size: 81KDObserved bind size: 81KD

ADDITIONAL INFORMATION

Related Product Information for anti-PAK5 antibody	Description: Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase PAK 7(PAK7) detection. Tested with WB, IHC-P in Human;Mouse;Rat. Background: Serine/threonine-protein kinase PAK 7, also known as PAK5, is an enzyme that in humans is encoded by the PAK7 gene. The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. And this kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. In addition, this kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described.
References	1. "Entrez Gene: PAK7 p21(CDKN1A)-activated kinase 7". 2. Dan C, Nath N, Liberto M, Minden A (Dec 2001). "PAK5, a new brain-specific kinase, promotes neurite outgrowth in N1E-115 cells". Mol Cell Biol 22 (2): 567-77. 3. Nagase T, Ishikawa K, Kikuno R, Hirosawa M, Nomura N, Ohara O (Jan 2000). "Prediction of the coding sequences of unidentified human genes. XV. The complete sequences of 100 new cDNA clones from brain which code for large proteins in vitro". DNA Res 6 (5): 337-45.

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; 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 (RAC1) activated kinase 7
NCBI Official Symbol	PAK7
NCBI Official Synonym Symbols	PAK5
NCBI Protein Information	serine/threonine-protein kinase PAK 7
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pak5-antibody-immunohistochemistry-western-blot-elisa/46454>