Rabbit anti-Human PAK1/2/3 Polyclonal Antibody | anti-PAK1/2/3 antibody

PAK1/2/3 (Ab-423/402/421) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302335	**Rabbit**	**Human**	**Immunohistochemistry, Western Blot**

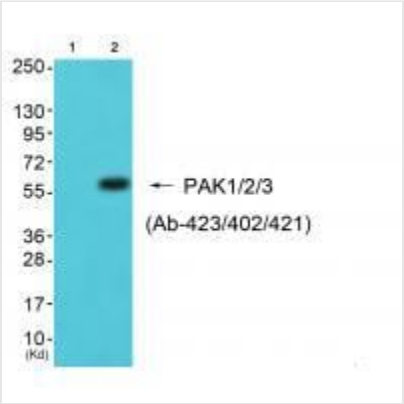
PRODUCT SYNONYMS

PAK1/2/3; Polyclonal Antibody; PAK1/2/3 (Ab-423/402/421) Antibody; EC 2.7.11.1; Gamma-PAK; P21-activated kinase 2; PAK 2; PAK-2; anti-PAK1/2/3 antibody

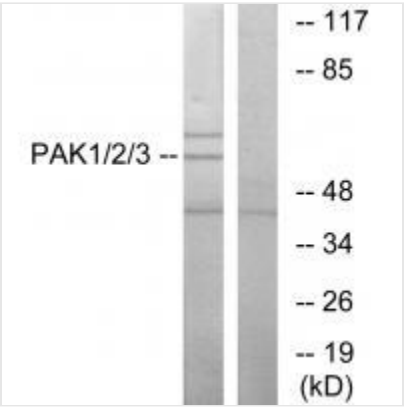
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total PAK1/2/3 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), 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-PAK1/2/3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized non-phosphopeptide derived from human PAK1/2/3 around the phosphorylation site of threonine 423/402/421 (R-S-T(p)-M-V).
Target Name	PAK1/2/3
Preparation and Storage	Store at -20 degree C

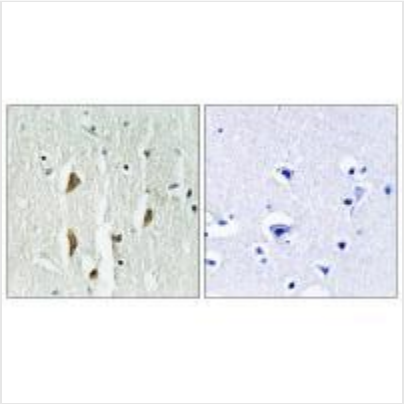
IMAGES



WB (Western Blot)
Western blot analysis of extracts from 293 cells (Lane 2), using PAK1/2/3 (Ab-423/402/421) antiobdy. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from NIH-3T3 cells, using PAK1/2/3 (Ab-423/402/421) antibody.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded human brain tissue using PAK1/2/3 (Ab-423/402/421) antiobdy.

ADDITIONAL INFORMATION

Related Product Information for anti-PAK1/2/3 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.Bernadett Boda, J. Neurosci., Dec 2004; 24: 10816 - 10825. Donna L. McPhie, J. Neurosci., Jul 2003; 23: 6914. Jin-Hun Jung, J. Biol. Chem., Dec 2005; 280: 40025 - 40031. Guo-Lei Zhou, Mol. Cell. Biol., Nov 2003; 23: 8058 - 8069.
Product Categories/Family for anti-PAK1/2/3 antibody	Total protein 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.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pak1-2-3-antibody-immunohistochemistry-western-blot-elisa/302335