

Rabbit anti-Human PAK3 Polyclonal Antibody | anti-PAK3 antibody

PAK3 Antibody (Center K218)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288996	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

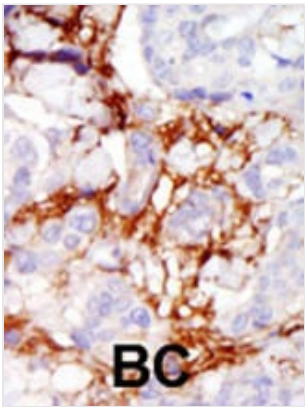
PRODUCT SYNONYMS

PAK3; Polyclonal Antibody; PAK3 Antibody (Center K218); Serine/threonine-protein kinase PAK 3; Beta-PAK; Oligophrenin-3; p21-activated kinase 3; PAK-3; OPHN3; anti-PAK3 antibody

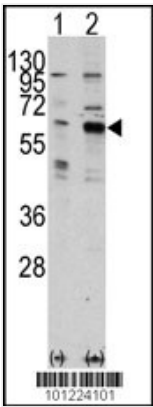
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PAK3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 218-247 amino acids from the Central region of human PAK3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 1.64 (varies by lot)
Sequence Positions	218-247
Sequence Length	565
Applicable Applications for anti-PAK3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
Western blot analysis of PAK3 (arrow) using rabbit polyclonal PAK3 Antibody. 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PAK3 gene (Lane 2) (Origene Technologies).

ADDITIONAL INFORMATION

Related Product Information for anti-PAK3 antibody	PAK3, a member of the STE20 subfamily of Ser/Thr protein kinases, acts on a variety of targets. PAK3 interacts tightly with GTP-bound but not GDP-bound CDC42/p21 and RAC1. It shows highly specific binding to the SH3 domains of phospholipase C-gamma and of adapter protein NCK. This protein is highly expressed in postmitotic neurons of the developing and postnatal cerebral cortex and hippocampus. PAK3 is autophosphorylated when activated by CDC42/p21. Defects in PAK3 are the cause of non-specific X-linked nonsyndromic mental retardation type 30 (MRX30). The protein structure contains 1 CRIB domain.
Product Categories/Family for anti-PAK3 antibody	Cancer; Cell Biology; Neuroscience; Signal Transduction
References	Kitano, T., et al., Mol. Biol. Evol. 20(8):1281-1289 (2003). Allen, K.M., et al., Nat. Genet. 20(1):25-30 (1998).

NCBI AND UNIPROT INFORMATION

NCBI GI #	189491751
NCBI GeneID	5063
NCBI Accession #	NP_001121638.1; NP_001121639.1; NP_001121640.1; NP_001121644.1; NP_001121645.1; NP_002569.1
NCBI GenBank Nucleotide #	NM_001128166.1
UniProt Accession #	O75914; Q5JWX1; Q5JWX2; Q7Z2D6; Q7Z2E4; Q7Z3Z8; Q8WWK5; Q8WX23; A8K389; B1GX77; B1GX78; B1GX79
Molecular Weight	62310
NCBI Official Full Name	serine/threonine-protein kinase PAK 3 isoform a
NCBI Official Synonym Full Names	p21 protein (Cdc42/Rac)-activated kinase 3
NCBI Official Symbol	PAK3
NCBI Official Synonym Symbols	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
UniProt Entry Name	PAK3_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://www.aaabiotech.com/polyclonal/pak3-antibody-immunohistochemistry-western-blot-elisa/288996>