

Rabbit PAK6 Polyclonal Antibody | anti-PAK6 antibody

Phospho-PAK6 (Ser165) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329825	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (88%), Horse (100%), Rabbit (88%), Dog (100%)	ELISA, Western Blot

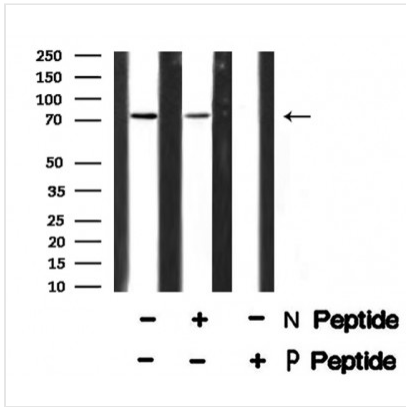
PRODUCT SYNONYMS

PAK6; Polyclonal Antibody; Phospho-PAK6 (Ser165) Antibody; 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 5; PAK 6; PAK-5; PAK-6; PAK5; 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-PAK6 antibody

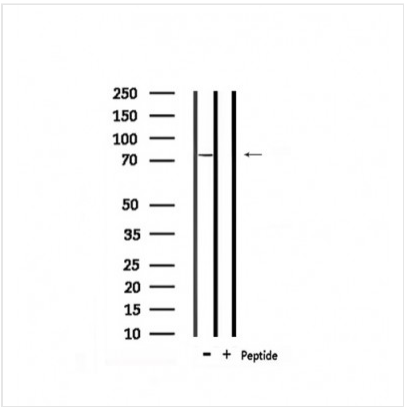
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (88%), Horse (100%), Rabbit (88%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-PAK6 (Ser165) Antibody detects endogenous levels of PAK6 only when phosphorylated at Ser165. Tissue Specificity: Selectively expressed in brain and testis, with lower levels in multiple tissues including prostate and breast.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PAK6 antibody	ELISA (Peptide ELISA), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PAK6 around the phosphorylation site of Ser165.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Autophosphorylated. Phosphorylated by MAP2K6//MAPKK6, leading to PAK6 activation.
Subunit Structure	Interacts tightly with GTP-bound but not GDP-bound CDC42/p21 and RAC1 (By similarity). Interacts with the androgen receptor AR and the estrogen receptor ESR1. Interacts with IQGAP1 and PPM1B.
Similarity	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.
Subcellular Location	Cytoplasm. Nucleus. Note: Cotranslocates into nucleus with AR in response to androgen induction.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of PAK6 (Phospho-Ser165) using UV treated Jurkat whole cell lysates. -/+ means absence or presence of N peptide (non-phospho peptide) and P peptide (phospho peptide).



WB (Western Blot)
Western blot analysis of extracts from mouse lung, using PAK6 (Phospho-Ser165) Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PAK6 antibody	Serine/threonine protein kinase that plays a role in the regulation of gene transcription. The kinase activity is induced by various effectors including AR or MAP2K6/MAPKK6. Phosphorylates the DNA-binding domain of androgen receptor/AR and thereby inhibits AR-mediated transcription. Inhibits also ESR1-mediated transcription. May play a role in cytoskeleton regulation by interacting with IQGAP1. May protect cells from apoptosis through phosphorylation of BAD.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	23396789
NCBI GeneID	56924
UniProt Accession #	Q9NQ5; A8K2G2; B3KYB0; G5E9R2
Molecular Weight	681
NCBI Official Full Name	Serine/threonine-protein kinase PAK 6
NCBI Official Synonym Full Names	p21 protein (Cdc42/Rac)-activated kinase 6
NCBI Official Symbol	PAK6
NCBI Official Synonym Symbols	PAK5
NCBI Protein Information	serine/threonine-protein kinase PAK 6; p21(CDKN1A)-activated kinase 6
UniProt Protein Name	Serine/threonine-protein kinase PAK 6
UniProt Gene Name	PAK6
UniProt Synonym Gene Names	PAK5; PAK-6
UniProt Entry Name	PAK6_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.