

Rabbit anti-Human PAK1 Monoclonal Antibody | anti-PAK1 antibody

PAK1 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282759	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

PAK1; Monoclonal Antibody; PAK1 Rabbit mAb; IDDMSSD; p65-PAK; PAKalpha; alpha-PAK; anti-PAK1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	MSNNGLDIQD KPPAPPMRNT STMIGAGSKD AGTLNHGSKP LPPNP EEEKKK KDRFYRSILP GDKTNKKKEK ERPEISLPSD FEHTIHVGFD AVTGEFTGMP
Applicable Applications for anti-PAK1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human PAK1 (Q13153).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of NIH-3T3 cells using PAK1 Rabbit mAb (AAA282759).
Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution.
Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of various lysates using PAK1 Rabbit mAb (AAA282759) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-PAK1 antibody

This gene encodes a family member of serine/threonine p21-activating kinases, known as PAK proteins. These proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling, and they serve as targets for the small GTP binding proteins Cdc42 and Rac. This specific family member regulates cell motility and morphology. Mutations in this gene have been associated with macrocephaly, seizures, and speech delay. Overexpression of this gene is also reported in many cancer types, and particularly in breast cancer. Alternative splicing results in multiple transcript variants.

Product Categories/Family for anti-PAK1 antibody

Epigenetics Nuclear Signaling; Protein phosphorylation; Cancer; Signal Transduction; Kinase; Serine threonine kinases; ErbB-HER Signaling Pathway; MAPK-Erk Signaling Pathway; Cell Biology Developmental Biology; Apoptosis; Cytoskeleton; Microtubules; Actin

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	Calculated MW: 61kDa Observed MW: 65kDa
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/monoclonal/pak1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282759>