

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

PAK1 (Serine/Threonine-protein Kinase PAK 1, Alpha-PAK, p21-activated Kinase 1, PAK-1, p65-PAK, MGC130000, MGC130001) (Biotin)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA24892	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

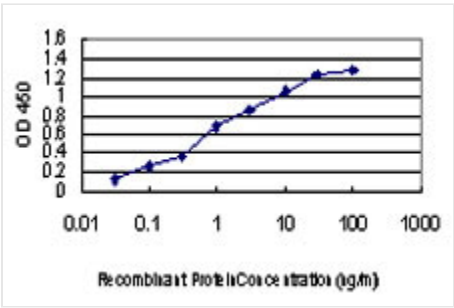
PRODUCT SYNONYMS

PAK1; Monoclonal Antibody; PAK1 (Serine/Threonine-protein Kinase PAK 1; Alpha-PAK; p21-activated Kinase 1; PAK-1; p65-PAK; MGC130000; MGC130001) (Biotin); anti-PAK1 antibody

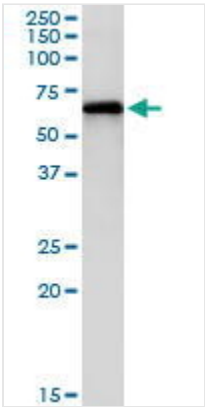
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	4D1
Specificity	Recognizes human PAK1.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Sequence Length	545
Applicable Applications for anti-PAK1 antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Application Notes	IF: 35ug/ml Applications are based on unconjugated antibody.
Immunogen	Partial recombinant corresponding to aa191-280 from human PAK1 (NP_002567) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	APRPEHTKSVYTRSVEIPLVPTPTRDVATSPISPTENNTTPDALTRNTEKQKKKPKMSDEEILEKLRSIVSVGDPKKKYTRFEKIGQGA
Conjugate	Biotin
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

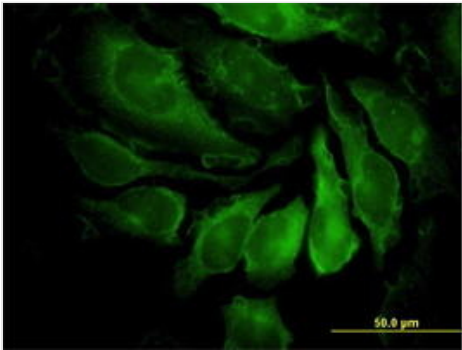
IMAGES



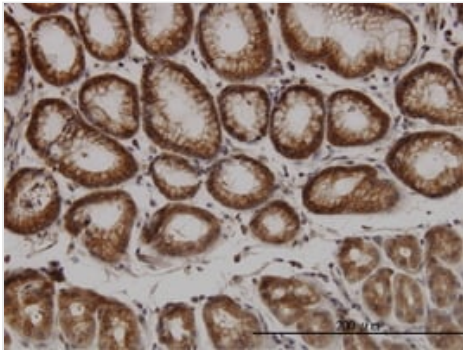
Application Data
Detection limit for recombinant GST tagged PAK1 is ~0.1ng/ml as a capture antibody.



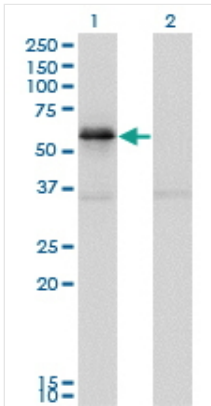
IP (Immunoprecipitation)
Immunoprecipitation of PAK1 transfected lysate using anti-PAK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PAK1 monoclonal antibody.



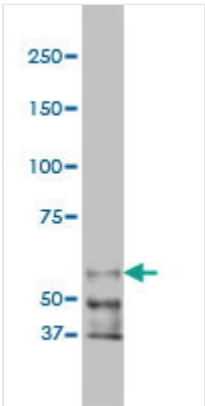
IF (Immunofluorescence)
Immunofluorescence of monoclonal antibody to PAK1 on HeLa cell. [antibody concentration 35ug/ml]



IHC (Immunohistochemistry)
Immunoperoxidase of monoclonal antibody to PAK1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3ug/ml]



WB (Western Blot)
Western Blot analysis of PAK1 expression in transfected 293T cell line by PAK1 monoclonal antibody. Lane 1: PAK1 transfected lysate (Predicted MW: 49.6kD). Lane 2: Non-transfected lysate.



WB (Western Blot)
PAK1 monoclonal antibody Western Blot analysis of PAK1 expression in HeLa NE.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PAK1 antibody	Antibodies; Protein Kinases
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42794769
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NCBI GeneID	5058
NCBI Accession #	NP_002567
NCBI GenBank Nucleotide #	NM_002576
UniProt Accession #	Q13153
NCBI Official Full Name	serine/threonine-protein kinase PAK 1 isoform 2
NCBI Official Synonym Full Names	p21 (RAC1) activated kinase 1
NCBI Official Symbol	PAK1
NCBI Official Synonym Symbols	IDDMSSD; p65-PAK; PAKalpha; alpha-PAK
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/monoclonal/pak1-antibody-clone-4d1-immunofluorescence-immunohistochemistry-western-blot-elisa/24892>