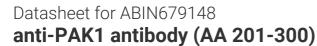
# antibodies - online.com











## Overview

Quantity:	100 μL
Target:	PAK1
Binding Specificity:	AA 201-300
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PAK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human PAK1
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Predicted Reactivity:	Mouse,Dog,Rabbit
Purification:	Purified by Protein A.

## **Target Details**

Target: PAK1

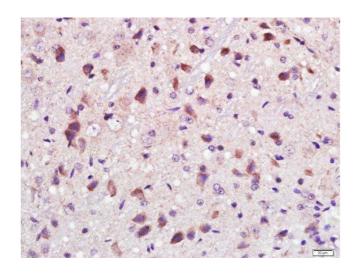
# Target Details

Alternative Name:	PAK1 (PAK1 Products)
Background:	Synonyms: Alpha PAK, Alpha-PAK, MGC130000, MGC130001, p21 activated kinase 1, p21
	protein Cdc42/Rac activated kinase 1, p21-activated kinase 1, p21/Cdc42/Rac1 activated
	kinase 1 yeast Ste20 related, p21/Cdc42/Rac1 activated kinase 1, p21/Cdc42/Rac1-activated
	kinase 1 STE20 homolog, yeast, p65 PAK, p65-PAK, PAK alpha, PAK-1, Pak1, PAK1_HUMAN,
	Paka, PAKalpha, Protein kinase MUK2, Rac/p21-activated kinase, Serine/threonine-protein
	kinase PAK 1, STE20 homolog yeast, STE20 homolog yeast.
	Background: 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 GTF
	binding proteins Cdc42 and Rac. This specific family member regulates cell motility and
	morphology. Alternatively spliced transcript variants encoding different isoforms have been
	found for this gene. [provided by RefSeq, Apr 2010]
Gene ID:	5058
Pathways:	MAPK Signaling, RTK Signaling, TCR Signaling, Fc-epsilon Receptor Signaling Pathway,
	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid
	Hormone Receptor Signaling, Skeletal Muscle Fiber Development, CXCR4-mediated Signaling
	Events, Signaling Events mediated by VEGFR1 and VEGFR2, Signaling of Hepatocyte Growth
	Factor Receptor, Embryonic Body Morphogenesis
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL

## Handling

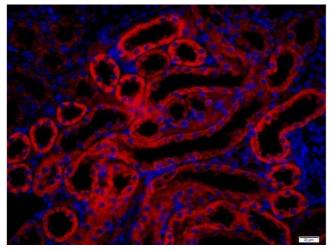
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

### **Images**



## **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Paraformaldehyde-fixed, paraffin embedded rat brain, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with PAK1 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.



#### Immunofluorescence (Paraffin-embedded Sections)

**Image 2.** Paraformaldehyde-fixed, paraffin embedded rat kidney, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with PAK1 Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, ollowed by a conjugated secondary (Goat Anti-rabbit IgG/Bio) for 20minutes at 37°C, followed by a conjugated streptavidin -Cy3) at 1:500 for 40 minutes and DAPI staining of the nuclei.