



[Go to Product page](#)

Datasheet for ABIN562102

## anti-PAK1 antibody (AA 191-280)

7 Images

1 Publication

### Overview

Quantity:	100 µg
Target:	PAK1
Binding Specificity:	AA 191-280
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PAK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

### Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant PAK1.
Immunogen:	PAK1 (NP_002567, 191 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	APRPEHTKSV YTRSVIEPLP VTPTRDVATS PISPTENNTT PPDALTRNTE KQKKKPKMSD EEILEKLRSI VSVGDPKKKY TRFEKIGQGA
Clone:	4D1
Isotype:	IgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

## Target Details

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Target:	PAK1
Alternative Name:	PAK1 ( <a href="#">PAK1 Products</a> )
Background:	Full Gene Name: p21 protein (Cdc42/Rac)-activated kinase 1 Synonyms: MGC130000,MGC130001,PAKalpha
Gene ID:	5058
NCBI Accession:	<a href="#">NM_002576</a>
Pathways:	<a href="#">MAPK Signaling</a> , <a href="#">RTK Signaling</a> , <a href="#">TCR Signaling</a> , <a href="#">Fc-epsilon Receptor Signaling Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Regulation of Intracellular Steroid Hormone Receptor Signaling</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">CXCR4-mediated Signaling Events</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Signaling of Hepatocyte Growth Factor Receptor</a> , <a href="#">Embryonic Body Morphogenesis</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

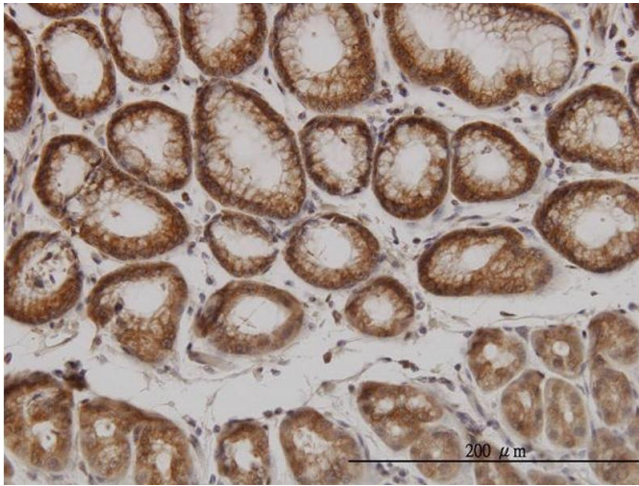
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

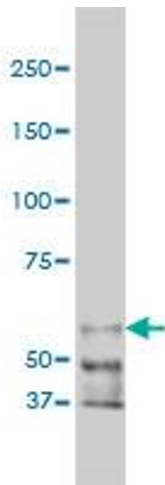
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Product cited in:	Cook, Sanchez-Carbente, Lachance, Radzioch, Tremblay, Khandjian, DesGroseillers, Murai: "Fragile X related protein 1 clusters with ribosomes and messenger RNAs at a subset of dendritic spines in the mouse hippocampus." in: <b>PLoS ONE</b> , Vol. 6, Issue 10, pp. e26120, (2011) ( <a href="#">PubMed</a> ).
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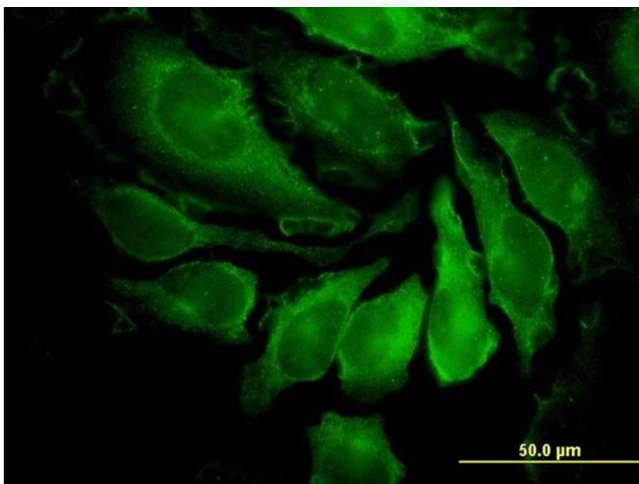
### Immunostaining

**Image 1.** Immunoperoxidase of monoclonal antibody to PAK1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]



### Western Blotting

**Image 2.** PAK1 monoclonal antibody (M02), clone 4D1 Western Blot analysis of PAK1 expression in HeLa NE



### Immunofluorescence

**Image 3.** Immunofluorescence of monoclonal antibody to PAK1 on HeLa cell. [antibody concentration 35 ug/ml]

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN562102.