10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# PAK1 Antibody (monoclonal) (M02)

**Mouse monoclonal antibody raised against a partial recombinant PAK1.**
**Catalog # AT3173a**

## Specification

### PAK1 Antibody (monoclonal) (M02) - Product Information

| | |
|---|---|
| Application | **IF, IP, WB, IHC, E** |
| Primary Accession | Q13153 |
| Other Accession | NM_002576 |
| Reactivity | **Human** |
| Host | **mouse** |
| Clonality | **Monoclonal** |
| Isotype | **IgG1 kappa** |
| Calculated MW | **60647** |

### PAK1 Antibody (monoclonal) (M02) - Additional Information

**Gene ID** 5058

**Other Names**
Serine/threonine-protein kinase PAK 1, Alpha-PAK, p21-activated kinase 1, PAK-1, p65-PAK, PAK1

**Target/Specificity**
PAK1 (NP_002567, 191 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**
WB~~1:500~1000

**Format**
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**
PAK1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

### PAK1 Antibody (monoclonal) (M02) - Protocols

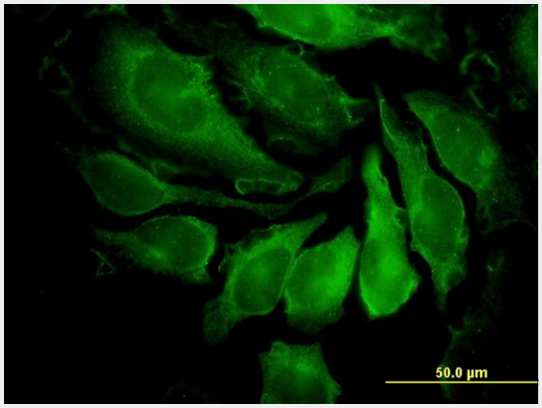
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

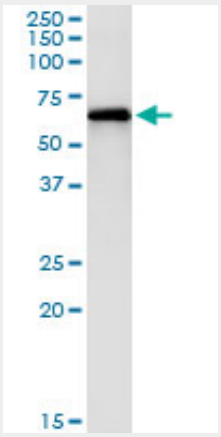
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

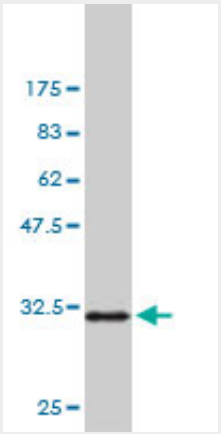
**PAK1 Antibody (monoclonal) (M02) - Images**




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

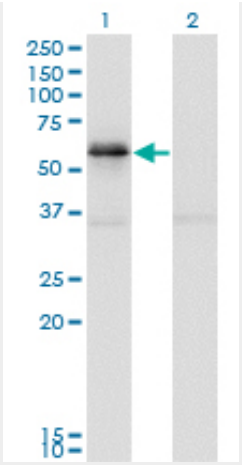



Immunoprecipitation of PAK1 transfected lysate using anti-PAK1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with PAK1 monoclonal antibody.



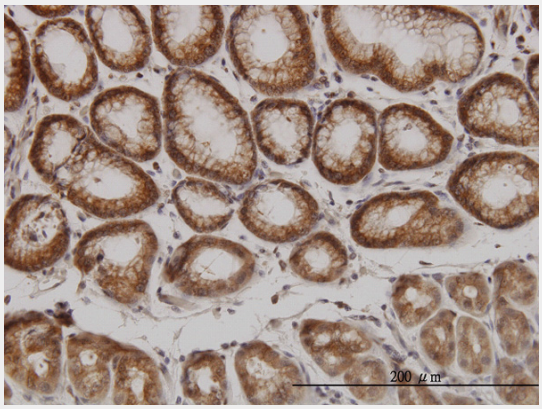

Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.53 KDa) .

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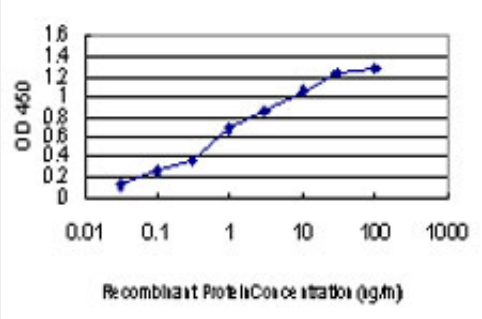



Western Blot analysis of PAK1 expression in transfected 293T cell line by PAK1 monoclonal antibody (M02), clone 4D1.

Lane 1: PAK1 transfected lysate (Predicted MW: 49.6 KDa).
Lane 2: Non-transfected lysate.




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




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

**PAK1 Antibody (monoclonal) (M02) - 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 GTP 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.

**PAK1 Antibody (monoclonal) (M02) - References**

1.Fragile X Related Protein 1 Clusters with Ribosomes and Messenger RNAs at a Subset of Dendritic Spines in the Mouse Hippocampus.Cook D, Del Rayo Sanchez-Carbente M, Lachance C, Radzioch D, Tremblay S, Khandjian EW, Desgroseillers L, Murai KK.PLoS One. 2011;6(10):e26120. Epub 2011 Oct 11.