



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## PAK1 monoclonal antibody (M01), clone 1E11

Catalog # : H00005058-M01

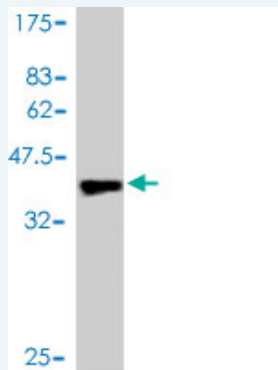
規格 : [ 100 ug ]

[List All](#)

### Specification

|                             |   |
|-----------------------------|---|
| <b>Product Description:</b> | Mouse monoclonal antibody raised against a partial recombinant PAK1.  |
| <b>Immunogen:</b>           | PAK1 (NP_002567, 191 a.a. ~ 280 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence:</b>            | APRPEHTKSVYTRSIVIEPLPVTPTRDVATSPISPTENNTTPPDALTRNTEK<br>QKKKPKMSDEEILEKLRISIVSGDPKKKYTRFEKIGQGA                   |
| <b>Host:</b>                | Mouse   |
| <b>Reactivity:</b>          | Human   |
| <b>Isotype:</b>             | IgG1 kappa  |

**Quality Control Testing:** Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (35.53 KDa) .

**Storage Buffer:** In 1x PBS, pH 7.4

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

**MSDS:** [Download](#)

**Datasheet:** [Download](#)

### Applications

**Western Blot (Recombinant protein)**

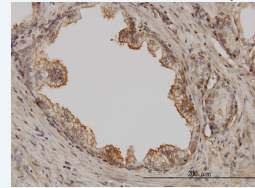
[Protocol Download](#)

**Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)**

### Application Image

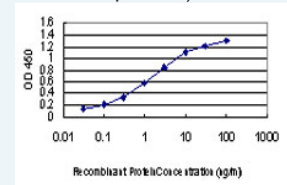
Western Blot (Recombinant protein)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)



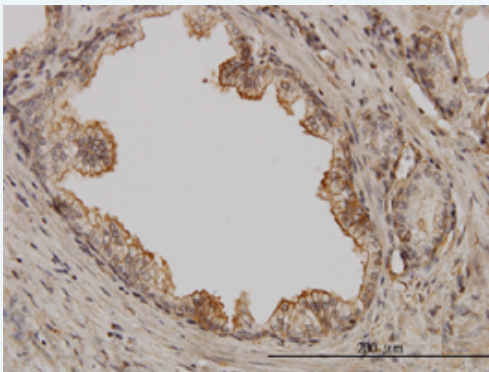
[enlarge](#)

Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA

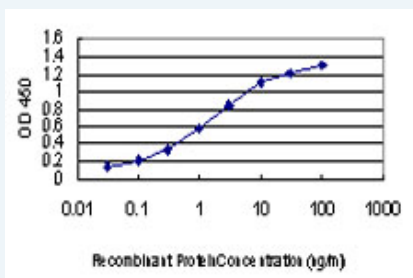


[enlarge this image](#)

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

[Protocol Download](#)

### Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged PAK1 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

### ELISA

#### Gene Information

Entrez GeneID: [5058](#)

GeneBank Accession#: [NM\\_002576](#)

Protein Accession#: [NP\\_002567](#)

Gene Name: PAK1

Gene Alias: MGC130000,MGC130001,PAKalpha

Gene Description: p21 protein (Cdc42/Rac)-activated kinase 1

Omim ID: [602590](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** PAK proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. These proteins serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK1 regulates cell motility and morphology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations:** STE20 homolog, yeast,p21-activated kinase 1,p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast),p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related)

## Gene Pathway

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[Axon guidance](#) [Chemokine signaling pathway](#)  
[Epithelial cell signaling in Helicobacter pylori infection](#) [ErbB signaling pathway](#)  
[Fc gamma R-mediated phagocytosis](#) [Focal adhesion](#) [MAPK signaling pathway](#)  
[Natural killer cell mediated cytotoxicity](#) [Regulation of actin cytoskeleton](#)  
[Renal cell carcinoma](#) [T cell receptor signaling pathway](#)

## Related Disease

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[Carcinoma, Squamous Cell](#) [Esophageal Neoplasms](#) [HIV Infections](#) [Tobacco Use Disorder](#)

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