



# 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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## PAK3 monoclonal antibody (M07), clone 1H7

Catalog # : H00005063-M07

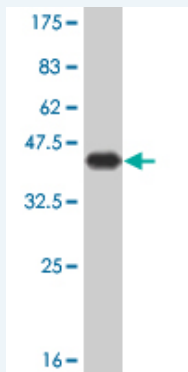
規格 : [ 100 ug ]

[List All](#)

### Specification

|                             |  |
|-----------------------------|--|
| <b>Product Description:</b> | Mouse monoclonal antibody raised against a partial recombinant PAK3.   |
| <b>Immunogen:</b>           | PAK3 (NP_002569, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence:</b>            | MSDGLDNEEKPPAPPLRMNSNIRDSSALNHSSKPLPMAPEEKNKARLR<br>SIFPGGGDKTNKKKEKERPEISLPSDFEHTIHVGFDVAVTGE                 |
| <b>Host:</b>                | Mouse  |
| <b>Reactivity:</b>          | Human, Mouse   |
| <b>Isotype:</b>             | IgG2a 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](#)

### Publication Reference

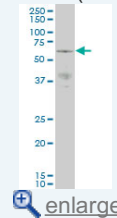
1. A 14-3-3γ dimer-based scaffold bridges CtBP1-S/BARS to PI(4)KIIIβ to regulate post-Golgi carrier formation. Valente C, Turacchio G, Mariggio S, Pagliuso A, Gaibisso R, Di Tullio G, Santoro M, Formiggini F, Spano S, Piccini D, Polishchuk RS, Colanzi A, Luini A, Corda D. Nat Cell Biol. 2012 Feb 26. doi: 10.1038/ncb2445. [Epub ahead of print]

### Applications

**Western Blot (Cell lysate)**

### Application Image

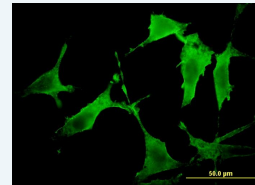
Western Blot (Cell lysate)



[enlarge](#)

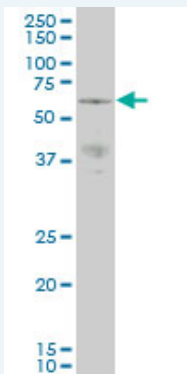
Western Blot (Recombinant protein)

Immunofluorescence



[enlarge](#)

ELISA



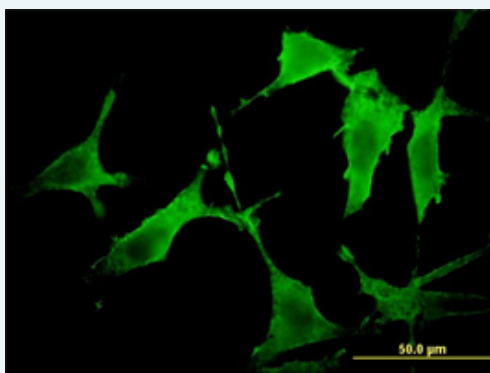
PAK3 monoclonal antibody (M07), clone 1H7 Western Blot analysis of PAK3 expression in NIH/3T3 ( Cat # L018V1 ).

[Protocol Download](#)

#### Western Blot (Recombinant protein)

[Protocol Download](#)

#### Immunofluorescence



[enlarge this image](#)

Immunofluorescence of monoclonal antibody to PAK3 on NIH/3T3 cell. [antibody concentration 10 ug/ml]

[Protocol Download](#)

#### ELISA

#### Gene Information

Entrez GeneID: [5063](#)

GeneBank [NM\\_002578](#)  
Accession#:

Protein [NP\\_002569](#)  
Accession#:

Gene Name: PAK3

Gene Alias: CDKN1A,MRX30,MRX47,OPHN3,PAK3beta,bPAK,hPAK3

Gene Description: p21 protein (Cdc42/Rac)-activated kinase 3

Omim ID: [300142](#), [300558](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, serve as targets for the small GTP binding proteins Cdc42 and RAC and have been implicated in a wide range of biological activities. The protein encoded by this gene forms an activated complex with GTP-bound RAS-like

(P21), CDC2 and RAC1 proteins which then catalyzes a variety of targets. This protein may be necessary for dendritic development and for the rapid cytoskeletal reorganization in dendritic spines associated with synaptic plasticity. Defects in this gene are the cause of non-syndromic mental retardation X-linked type 30 (MRX30), also called X-linked mental retardation type 47 (MRX47). Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

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**Other Designations:** OTTHUMP00000023855,OTTHUMP00000062894,beta-PAK,oligophrenin-3,p21 (CDKN1A)-activated kinase 3,p21-activated kinase 3,p21-activated kinase-3,serine/threonine-protein kinase PAK 3

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#### Gene Pathway

[Axon guidance](#) [ErbB signaling pathway](#) [Focal adhesion](#) [Regulation of actin cytoskeleton](#)  
[Renal cell carcinoma](#) [T cell receptor signaling pathway](#)

#### Related Disease

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