

# Product Datasheet

## PAK1 Antibody (4D1) - Azide and BSA Free H00005058-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

### Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/H00005058-M02](http://www.novusbio.com/H00005058-M02)

Updated 2/21/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/H00005058-M02](http://www.novusbio.com/reviews/destination/H00005058-M02)



**H00005058-M02**

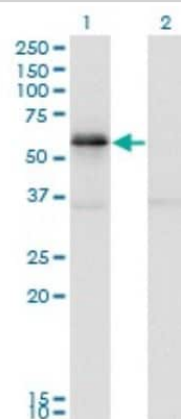
PAK1 Antibody (4D1) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4D1
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Quality control test: Antibody Reactive Against Recombinant Protein.
<b>Host</b>	Mouse
<b>Gene ID</b>	5058
<b>Gene Symbol</b>	PAK1
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	PAK1 - p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast)
<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. APRPEHTKSVYTRSIVIEPLPVTPTRDVATSPISPTENNTTPPDALTRNTEKQKKK PKMSDEEILEKLRISIVSGDPKKKYTRFEKIGQGA
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin, Sandwich ELISA
<b>Application Notes</b>	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF, IHC-P and ELISA.

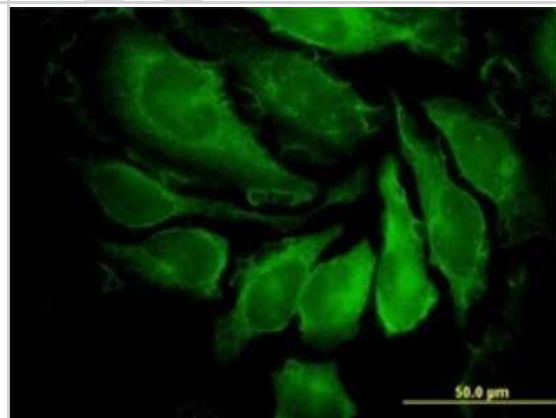


## Images

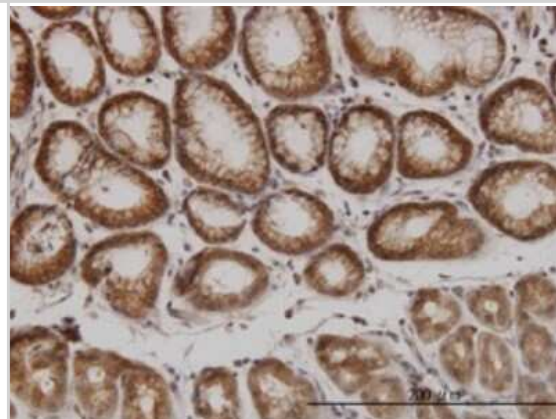
Western Blot: PAK1 Antibody (4D1) [H00005058-M02] - Analysis of PAK1 expression in transfected 293T cell line by PAK1 monoclonal antibody (M02), clone 4D1. Lane 1: PAK1 transfected lysate (Predicted MW: 49.6 KDa). Lane 2: Non-transfected lysate.



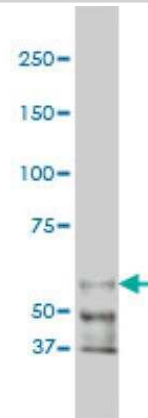
Immunocytochemistry/Immunofluorescence: PAK1 Antibody (4D1) [H00005058-M02] - Analysis of monoclonal antibody to PAK1 on HeLa cell. Antibody concentration 35 ug/ml.



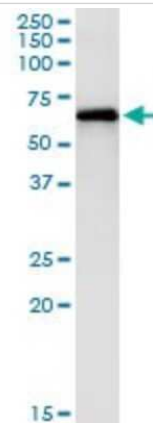
Immunohistochemistry-Paraffin: PAK1 Antibody (4D1) [H00005058-M02] - Analysis of monoclonal antibody to PAK1 on formalin-fixed paraffin-embedded human stomach. Antibody concentration 3 ug/ml.



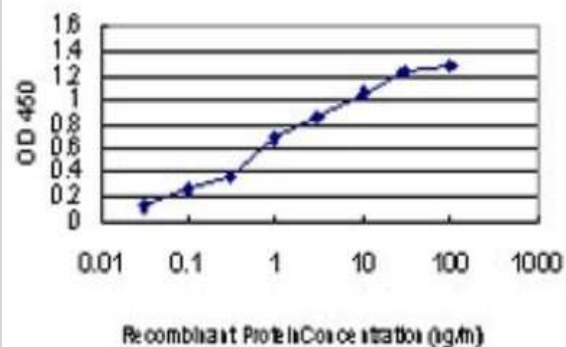
Western Blot: PAK1 Antibody (4D1) [H00005058-M02] - Western Blot analysis of PAK1 expression in HeLa NE ( Cat # L013V3 ).



Immunoprecipitation: PAK1 Antibody (4D1) [H00005058-M02] - Analysis of PAK1 transfected lysate using anti-PAK1 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PAK1 monoclonal antibody.



Sandwich ELISA: PAK1 Antibody (4D1) [H00005058-M02] - Detection limit for recombinant GST tagged PAK1 is approximately 0.1ng/ml as a capture antibody.



## Publications

Cook D, Del Rayo Sanchez-Carbente M, Lachance C et al. Fragile X Related Protein 1 Clusters with Ribosomes and Messenger RNAs at a Subset of Dendritic Spines in the Mouse Hippocampus. PLoS One. 2011-10-11 [PMID: 22022532]



### Novus Biologicals USA

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### Bio-Techne Canada

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### Bio-Techne Ltd

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### General Contact Information

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### Products Related to H00005058-M02

---

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00005058-P01-10ug	Recombinant Human PAK1 GST (N-Term) Protein

---

### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/H00005058-M02](http://www.novusbio.com/reviews/submit/H00005058-M02)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

