

# Product Datasheet

## Parkin Antibody (1H4) - Azide and BSA Free H00005071-M01

Unit Size: 0.1 mg

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

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**H00005071-M01**

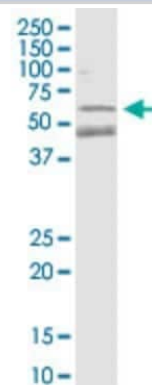
Parkin Antibody (1H4) - Azide and BSA Free

<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>	1H4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG3 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>	5071
<b>Gene Symbol</b>	PRKN
<b>Species</b>	Human, Rat
<b>Specificity/Sensitivity</b>	PARK2 - Parkinson disease (autosomal recessive, juvenile) 2, parkin
<b>Immunogen</b>	PARK2 (AAH22014, 288 a.a. ~ 387 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PCVGTGDTVVLRLGALGGFRRGVAGCPNSLIKELHHFRILGEEQYNRYQQYGAE ECVLQMGGVLCPRPGCGAGLLPEPDQRKVTCEGGNGLGCGYGQRRTK
<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
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Application Notes</b>	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA.

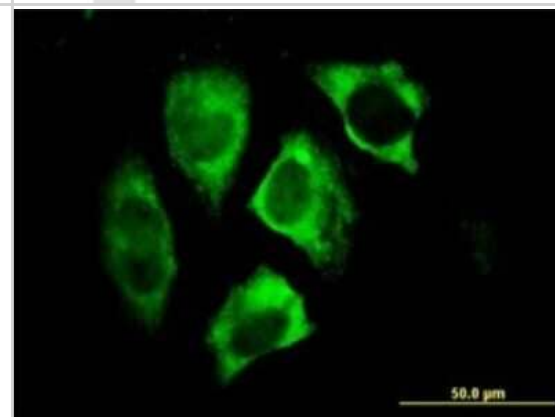


## Images

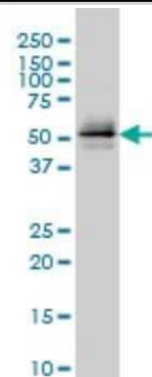
Western Blot: Parkin Antibody (1H4) [H00005071-M01] - Parkin monoclonal antibody (M01), clone 1H4. Western Blot analysis of Parkin expression in PC-12.



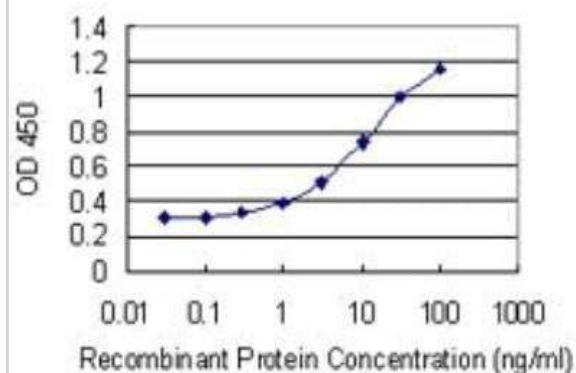
Immunocytochemistry/Immunofluorescence: Parkin Antibody (1H4) [H00005071-M01] - Analysis of monoclonal antibody to PARK2 on HeLa cell. Antibody concentration 10 ug/ml.



Western Blot: Parkin Antibody (1H4) [H00005071-M01] - PARK2 monoclonal antibody (M01), clone 1H4 Analysis of PARK2 expression in Jurkat.



ELISA: Parkin Antibody (1H4) [H00005071-M01] - Detection limit for recombinant GST tagged PARK2 is 0.1 ng/ml as a capture antibody.



## Publications

Chongkui Sun, Kun Wang, Amanda J Stock, Yi Gong, Tyler G Demarest, Beimeng Yang, Neelam Giri, Lea Harrington, Blanche P Alter, Sharon A Savage, Vilhelm A Bohr, Yie Liu Re-equilibration of imbalanced NAD metabolism ameliorates the impact of telomere dysfunction The EMBO Journal 2020-09-16 [PMID: 32935380]

Tan HWS, Lu G, Dong H et al. A degradative to secretory autophagy switch mediates mitochondria clearance in the absence of the mATG8-conjugation machinery Nature communications 2022-06-28 [PMID: 35764633]

La Cognata Valentina, Iemmolo Rosario, D'Agata Velia et al. Increasing the Coding Potential of Genomes Through Alternative Splicing: The Case of PARK2 Gene. Curr Genomics. 2014-06-01 [PMID: 24955028]

Scuderi Soraya, La Cognata Valentina, Drago Filippo et al. Alternative splicing generates different parkin protein isoforms: evidences in human, rat, and mouse brain. Biomed Res Int. 2014-07-16 [PMID: 25136611]

Brody KM, Taylor JM, Wilson GR et al. Regional cellular localisation of Parkin Co-Regulated Gene in developing adult mouse brain. Brain Res 1201:177-86. 2008-03-27 [PMID: 18295750]





### **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 H00005071-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96978	Mouse IgG3 Kappa Light Chain Isotype Control (MG3K)
NBP2-51533-0.1mg	Recombinant Human Parkin His Protein

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### **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.

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