

# PARK2/Parkin Monoclonal antibody

Catalog Number: 66674-1-Ig **31 Publications**

## Basic Information

<b>Catalog Number:</b> 66674-1-Ig	<b>GenBank Accession Number:</b> BC022014	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 µg/ml by Nanodrop and 796 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5071	<b>CloneNo.:</b> 2H5A7
<b>Source:</b> Mouse	<b>Full Name:</b> Parkinson disease (autosomal recessive, juvenile) 2, parkin	<b>Recommended Dilutions:</b> WB 1:2000-1:8000 IHC 1:250-1:1000 IF 1:50-1:100
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 52 kDa	
<b>Immunogen Catalog Number:</b> AG5179	<b>Observed MW:</b> 42-52 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, IHC, WB	<b>WB :</b> HEK-293 cells, SH-SY5Y cells, U-251 cells, mouse brain tissue
<b>Species Specificity:</b> Human, Mouse	<b>IHC :</b> mouse brain tissue,
<b>Cited Species:</b> human, rat, mouse, pig	<b>IF :</b> SH-SY5Y cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Parkin, a RING-type E3 ubiquitin-protein ligase, is involved in the ubiquitination pathway and contributes to protection from neurotoxicity induced by unfolded protein stresses. Its ubiquitin-protein ligase activity promotes the degradation of a variety of proteins including itself. Mutations in Parkin are implicated in the pathogenesis of autosomal recessive familial Parkinson's disease. It has 8 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Tetsushi Hirano	34520793	Toxicol Appl Pharmacol	WB
Xue Wang	32963699	Oxid Med Cell Longev	IF
Huijuan Xiao	36308405	J Cell Mol Med	WB

## Storage

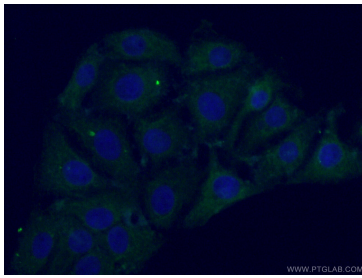
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

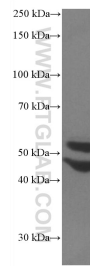
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

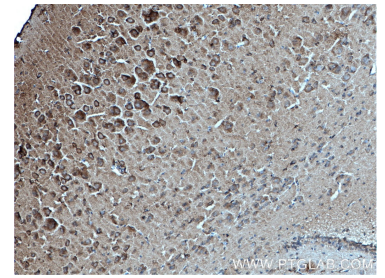
## Selected Validation Data



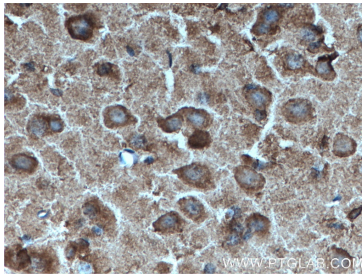
Immunofluorescent analysis of (-20°C Ethanol) fixed SH-SY5Y cells using 66674-1-Ig (PARK2/Parkin antibody) at dilution of 1:100 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 66674-1-Ig (Parkin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66674-1-Ig (Parkin antibody) at dilution of 1:500 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66674-1-Ig (Parkin antibody) at dilution of 1:500 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).