

For Research Use Only

# PARK2/Parkin Monoclonal antibody

Catalog Number: 66674-1-Ig

Featured Product

58 Publications



## Basic Information

Catalog Number:

66674-1-Ig

Concentration:

1500 ug/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG5179

GenBank Accession Number:

BC022014

GeneID (NCBI):

5071

UNIPROT ID:

O60260

Full Name:

Parkinson disease (autosomal recessive, juvenile) 2, parkin

Calculated MW:

52 kDa

Observed MW:

42-52 kDa

Purification Method:

Protein A purification

CloneNo.:

2H5A7

Recommended Dilutions:

WB 1:2000-1:8000

IHC 1:250-1:1000

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HEK-293 cells, SH-SY5Y cells, U-251 cells, mouse brain tissue

IHC : mouse brain tissue,

IF/ICC : RAW 264.7 cells,

## 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

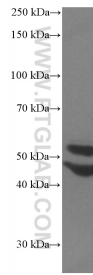
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

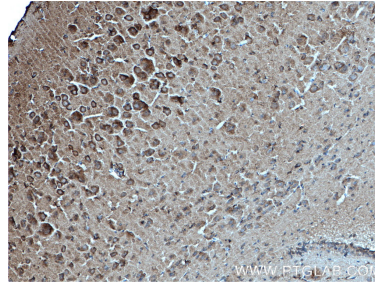
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

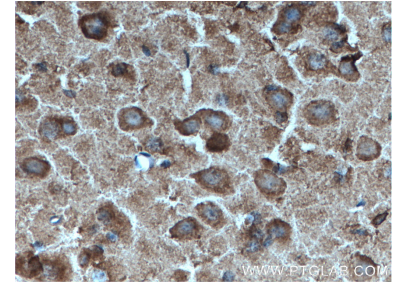
## Selected Validation Data



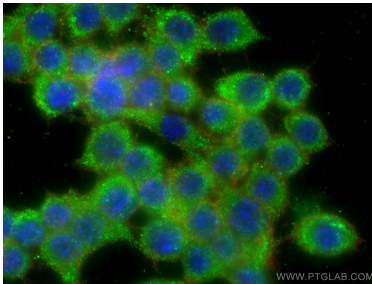
HEK-293 cells were subjected to SDS PAGE followed by western blot with 66674-1-Ig (Parkin antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (-20°C Ethanol) fixed RAW 264.7 cells using PARK2/Parkin antibody (66674-1-Ig, Clone: 2H5A7 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1), CL594-Phalloidin (red).