

For Research Use Only

PARK2/Parkin Monoclonal antibody

Catalog Number: 66674-4-Ig



Basic Information

Catalog Number: 66674-4-Ig	GenBank Accession Number: BC022014	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5071	CloneNo.: 2G4A8
Source: Mouse	UNIPROT ID: O60260	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:50-1:500
Isotype: IgG1	Full Name: Parkinson disease (autosomal recessive, juvenile) 2, parkin	
Immunogen Catalog Number: AG5179	Calculated MW: 52 kDa	
	Observed MW: 42-52 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse, rat, pig	WB : Mo7e cells, mouse brain tissue, rat brain tissue, OS-RC-2 cells, SH-SY5Y cells, pig brain tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse brain tissue,

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.

Storage

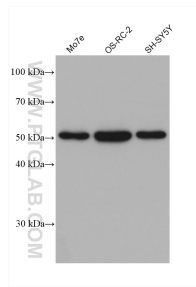
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

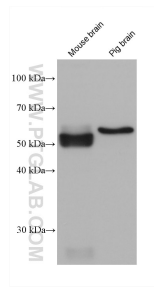
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

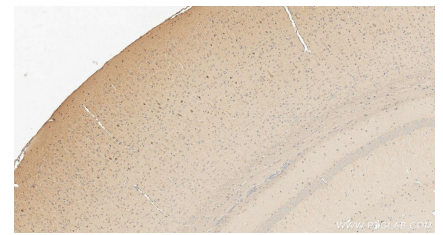
Selected Validation Data



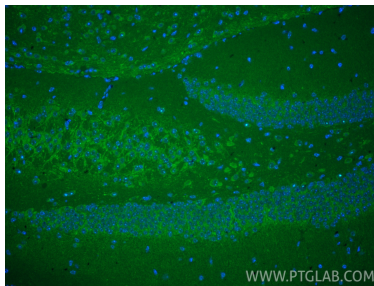
Various lysates were subjected to SDS PAGE followed by western blot with 66674-4-Ig (PARK2/Parkin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



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Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66674-4-Ig (PARK2/Parkin antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using PARK2/Parkin antibody (66674-4-Ig, Clone: 2G4A8) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).