For Research Use Only

PARK2/Parkin Monoclonal antibody, PBS Only

Catalog Number:66674-4-PBS

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
66674-4-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

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 G purification

CloneNo.:
2G4A8

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
human, mouse, rat, pig

Background Information

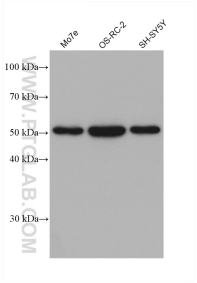
Parkin, a RING-type E3 ubiquitin-protein ligase, is involved in the ubiquitination pathway and contributes to protection from neurotoxicity induced by unfolded protein stresses. Its ubiquitin-protein ligase activity promotes the degradation of a viariety of proteins including itself. Mutations in Parkin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

Storage

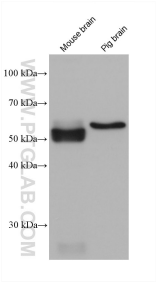
Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

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

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. This data was developed using the same antibody clone with 66674-4-PBS in a different storage buffer formulation.



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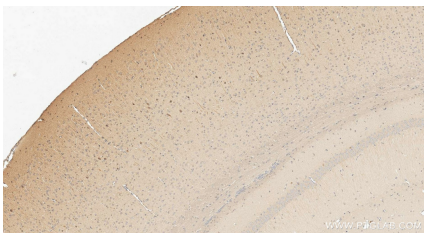
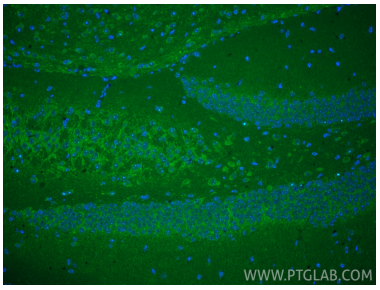
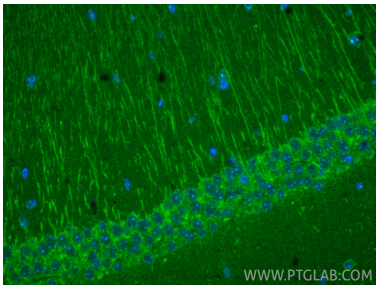


Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66674-4-Ig (PARK2/Parkin antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66674-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66674-4-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66674-4-PBS in a different storage buffer formulation.