For Research Use Only

PINK1
Polyclonal ANTIBODY
Catalog Number: 23274-1-AP

Basic Information
Catalog Number: 23274-1-AP
GenBank Accession Number: BC032615
GeneID (NCBI): 65018
Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Size:
30 μg/150 μl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen Affinity purified

Immunogen Catalog Number:
AG19825

GenBank Accession Number:
BC032615

GeneID (NCBI): 65018
Calculated MW:
581aa, 63 kDa

Observed MW:
65 kDa, 45 kDa

Recommended Dilutions:
WB 1:500-1:1000
IHC 1:50-1:500

Applications
Tested Applications:
IF, IHC, WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
human, mouse

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

Background Information
PINK1 is a mitochondrial serine/threonine-protein kinase that protects cells from stress-induced mitochondrial dysfunction. The precursor of PINK1 (65 kDa) is synthesized in the cytosol and imported into the outer membrane of mitochondria. PINK1 is further transferred into the inner membrane where it is cleaved into a 52 kDa mature form. The half life of the mature form of PINK1 is very short and it was proposed that the proteasome is involved in its degradation (PMID: 23472196). The gene of PINK1 maps to chromosome 1p36.12. Two alternatively spliced variants exist, the shorter isoform (30 kDa) produced by alternative splicing. Mutations in the PINK1 gene cause autosomal recessive early-onset Parkinson's disease.

Notable Publications

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Storage
Store at -20°C. Stable for one year after shipment.

Storage Buffers:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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T: 1(888) 4PTGLAB (toll free in USA), or 1(312) 455-8498 (outside USA)
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

WB result of PINK1 antibody (23274-1-AP, 1:600) with si-Control and si-PINK1 transfected HeLa cells.

HeLa cells were subjected to SDS PAGE followed by western blot with 23274-1-AP PINK1 Antibody at dilution of 1:600 incubated at room temperature for 1.5 hours.

Immunohistochemistry of paraffin-embedded human brain tissue slide using 23274-1-AP PINK1 Antibody at dilution of 1:50 (under 10x lens).

Immunohistochemistry of paraffin-embedded human brain tissue slide using 23274-1-AP PINK1 Antibody at dilution of 1:50 (under 40x lens).

Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 23274-1-AP PINK1 antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).