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Store at -20C
#5660

PINK1 (N4/15.11) Mouse mAb

For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP	Reactivity: H	Sensitivity: Transfected Only	MW (kDa): 60, 50	Source/Isotype: Mouse IgG1	UniProt ID: #Q9BXM7	Entrez-Gene Id: 65018
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Product Usage Information

Application

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

PINK1 (N4/15.11) Mouse mAb recognizes transfected levels of total PINK1 protein. Endogenous levels of PINK1 have not been detected with this antibody so far.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant protein specific to the amino terminus of human PINK1 protein.

Background

PTEN induced putative kinase 1, PINK1, is a mitochondrial serine/threonine kinase involved in the normal function and integrity of mitochondria, as well as in reduction of cytochrome c release from mitochondria (1-3). PINK1 phosphorylates Parkin and promotes its translocation to mitochondria (2). Research studies have shown that mutations in *PINK1* are linked to autosomal recessive early onset Parkinson's disease, and are associated with loss of protective function, mitochondrial dysfunction, aggregation of α -synuclein, as well as proteasome dysfunction (1,3).

Background References

1. Liu, W. et al. (2009) *PLoS One* 4, e4597.
2. Kim, Y. et al. (2008) *Biochem Biophys Res Commun* 377, 975-80.
3. Petit, A. et al. (2005) *J Biol Chem* 280, 34025-32.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human

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