

## PINK1 monoclonal antibody

Catalog: MB67194

Host: Mouse

Reactivity: Human

### 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. PINK1 phosphorylates Parkin and promotes its translocation to mitochondria. 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  $\alpha$ -synuclein, as well as proteasome dysfunction.

### Product:

Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 60 kDa

### Swiss-Prot:

Q9BXM7

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/1000 - 1/2000)

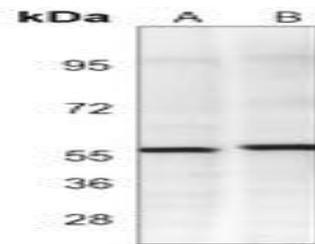
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

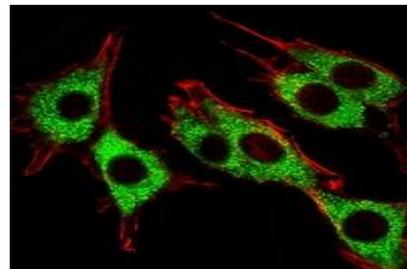
### Specificity:

Recognizes endogenous levels of PINK1 protein.

### DATA:



Western blot analysis of PINK1 expression in A431 (A), mouse brain (B) whole cell lysates.



Immunofluorescent analysis of PINK1 staining in PC12 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF555 was used to stain the cytoplasm (red).

### Note:

For research use only, not for use in diagnostic procedure.

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