

Anti-PINK1 Antibody [PSH22-50]

HA601588



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|----------------------------|---|
| Product Type: | Recombinant Mouse monoclonal IgG1, primary antibodies |
| Species reactivity: | Human, Mouse, Rat |
| Applications: | WB |
| Molecular Wt: | Predicted band size: 63 kDa |
| Clone number: | PSH22-50 |

Description: A member of the serine / threonine protein kinase family, PTEN induced putative kinase 1 (PINK1) is a tumor suppressor. PINK1 is primarily located in mitochondria, and is ubiquitously expressed in testis, skeletal muscle, and heart tissue. at lower levels in pancreas, ovary, brain, placenta, kidney, liver, prostate and small intestine. During cellular stress PINK1 protects against mitochondrial dysfunction by inducing phosphorylation mitochondrial proteins. PINK1 mutations may give rise to different autophosphorylation activity. Mutations in the PINK1 gene (PARK6) are associated with early onset Parkinson's disease, a recessive neurodegenerative disorder characterized by resting tremor, muscular rigidity, bradykinesia and postural instability. Parkinson's disease generally involves the presence of intraneuronal accumulations of aggregated proteins (Lewy bodies) in brain neurons.

Positive control: Mouse heart tissue lysate, Mouse liver tissue lysate, Rat placenta tissue lysate, Rat heart tissue lysate, HeLa treated with 10 μ M CCCP for 24 hours cell lysate.

Subcellular location: SwissProt: Q9BXM7 Human SwissProt: Q99MQ3 Mouse SwissProt: B5DFG1 Rat

Database links: SwissProt: Q9BXM7 Human | Q99MQ3 Mouse | B5DFG1 Rat

Recommended Dilutions:

WB 1:5,000

Storage Buffer: 1*PBS (pH7.4), 0.1% BSA, 40% Glycerol, 0.2% Proclean 950.

Storage Instruction: Shipped at 4 $^{\circ}$ C. Store at +4 $^{\circ}$ C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20 $^{\circ}$ C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

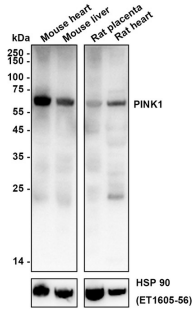
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Images

Fig1: Western blot analysis of PINK1 on different lysates with Mouse anti-PINK1 antibody (HA601588) at 1/5,000 dilution.

Lane 1: Mouse heart tissue lysate
Lane 2: Mouse liver tissue lysate
Lane 3: Rat placenta tissue lysate
Lane 4: Rat heart tissue lysate



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Lysates/proteins at 40 µg/Lane.

Predicted band size: 63 kDa
Observed band size: 63 kDa

Exposure time: 1 minute; ECL: K1802;

4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA601588) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4 °C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

Fig2: Western blot analysis of PINK1 on different lysates with Mouse anti-PINK1 antibody (HA601588) at 1/5,000 dilution.

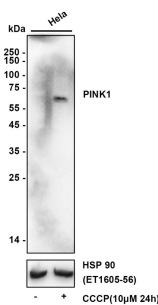
Lane 1: HeLa cell lysate
Lane 2: HeLa treated with 10µM CCCP for 24 hours cell lysate

Lysates/proteins at 20 µg/Lane.

Predicted band size: 63 kDa
Observed band size: 63 kDa

Exposure time: 1 minute; ECL: K1802;

4-20% SDS-PAGE gel.



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Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA601588) at 1/5,000 dilution was used in primary antibody dilution (K1803) at 4 °C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/50,000 dilution was used for 1 hour at room temperature.

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Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Quinn PMJ et al. PINK1/PARKIN signalling in neurodegeneration and neuroinflammation. *Acta Neuropathol Commun.* 2020 Nov
2. Han R et al. PINK1-PRKN mediated mitophagy: differences between in vitro and in vivo models. *Autophagy.* 2023 May

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