

PINK1 Rabbit Polyclonal Antibody

Catalog No: #29297

Package Size: #29297-1 50ul #29297-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

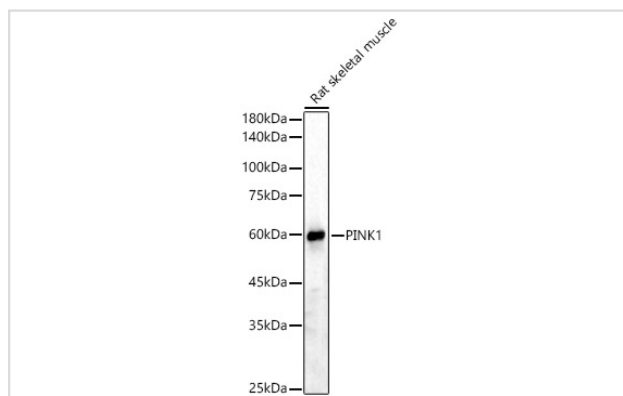
Description

Product Name	PINK1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB;IHC;IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human PINK1 (NP_115785.1).
Conjugates	Unconjugated
Other Names	PINK1;BRPK;PARK6
Accession No.	Swiss Prot:Q9BXM7GeneID:65018
Calculated MW	63kDa
SDS-PAGE MW	60kDa
Formulation	PBS with 0.09% sodium azide,0.05% BSA,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

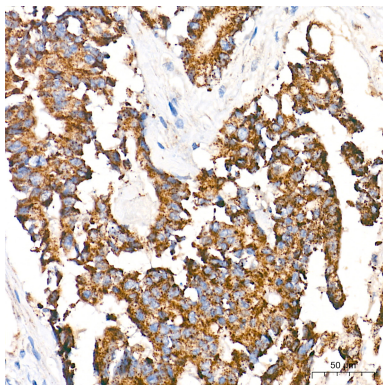
Application Details

WB 1:1000 - 1:5000 IHC 1:200 - 1:800 IF 1:50 - 1:200

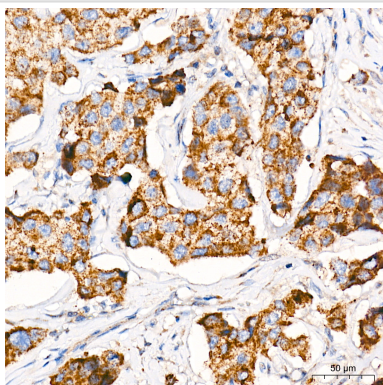
Images



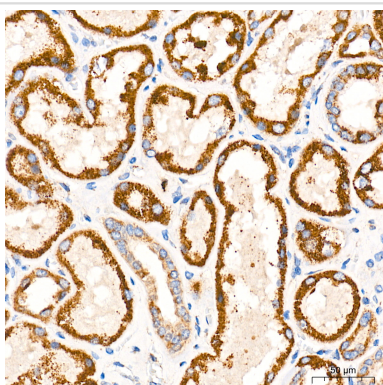
Western blot analysis of lysates from Rat skeletal muscle, using PINK1 Rabbit Polyclonal Antibody at 1:2000 dilution.; Secondary antibody: Goat anti-Rabbit IgG at 1:10000 dilution.; Lysates/proteins: 25ug per lane.; Blocking buffer: 3% nonfat dry milk in TBST.; Exposure time: 90s.



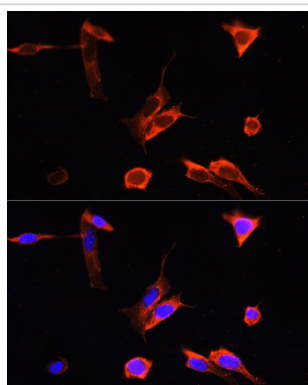
Immunohistochemistry analysis of paraffinembedded Human colon carcinoma tissue using PINK1 Rabbit Polyclonal Antibody at a dilution of 1:400 (40x lens).; High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



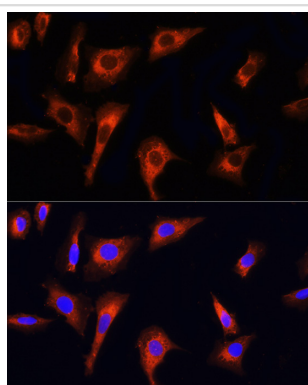
Immunohistochemistry analysis of paraffinembedded Human breast cancer tissue using PINK1 Rabbit Polyclonal Antibody at a dilution of 1:400 (40 lens).; High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffinembedded Human kidney tissue using PINK1 Rabbit Polyclonal Antibody at a dilution of 1:400(40 lens).; High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH9.0) prior to IHC staining.



Immunofluorescence analysis of NIH-3T3 cells using PINK1 Rabbit Polyclonal Antibody at dilution of 100 (40 lens).; Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG at 1:500 dilution.; Blue:DAPI for nuclear staining.



Immunofluorescence analysis of U-2 OS cells using PINK1 Rabbit Polyclonal Antibody at dilution of 100 (40 lens).; Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG at 1:500 dilution.; Blue: DAPI fornuclear staining.

Background

This gene encodes a serine/threonine protein kinase that localizes to mitochondria. It is thought to protect cells from stress-induced mitochondrial dysfunction. Mutations in this gene cause one form of autosomal recessive early-onset Parkinson disease.

Published Papers

et al., Study of mitophagy and ATP-related metabolomics based on β -amyloid levels in Alzheimer's disease. In *Exp Cell Res* on 2020 Nov 1 by Xiaomin Xiong, Shijie Li, et al.. PMID: 32905804, , (2020)

[PMID:32905804](#)

et al., Dietary High-Fat Promotes Cognitive Impairment by Suppressing Mitophagy In *Oxid Med Cell Longev* On 2023 Jan 21 by *Oxid Med Cell Longev* et al.. PMID: 36718278, , (2023)

[PMID:36718278](#)

et al., Dietary salt promotes cognitive impairment through repression of SIRT3/PINK1-mediated mitophagy and fission. In *Mol Cell Biochem* on 2024 Jul 13 by Haixia Fan, Minghao Yuan, et al.. PMID: 38997506, , (2024)

[PMID:38997506](#)

Hanyu Chen; Qianbei Lin; Yanlin Zeng; Pinliang Chen; Pengpeng Guo; Ruoshui Feng; Zhenyu Guo; Jinhua Kang; Qiucen Chen; Xiaoxiong Zhou et al., Xinyin tablets affect mitophagy and cardiomyocyte apoptosis to alleviate chronic heart failure by regulating histone deacetylase 3 (HDAC3)-mediated PTEN induced putative kinase 1 (PINK1)/Parkin signaling pathway., , (2025)

[PMID:40122315](#)

Liu Zhengyuan, Fang Danruo, Chen Kaijun, Dong Lingling, Huang Huaqiong, Chen Zhihua et al., Novel mitophagy inducer TJ0113 alleviates pulmonary inflammation during acute lung injury, *Frontiers in pharmacology*, (2025)

[PMID:40703361](#)

Chen Chaohong, Xie Zaoye, Ao Dang, Chen Yinhui, Liu Ling, Li Chengyan et al., Transcription factor EB improves hypoxic pulmonary hypertension in fetal rats by suppressing NLRP3 inflammasome activation via induction of mitophagy, *Scientific reports*, (2025)

[PMID:40603451](#)

Switzeny Olivier, Pusch Stefan, Christmann Markus, Kaina Bernd et al., [HTML][HTML] IDH1 Mutation Impacts DNA Repair Through ALKBH2 Rendering Glioblastoma Cells Sensitive to Artesunate, *Biomedicines*, (2025)

[PMID:40564198](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.