Product Datasheet

PINK1 Antibody - BSA Free

NB600-973-0.5mg

Unit Size: 0.5 mg

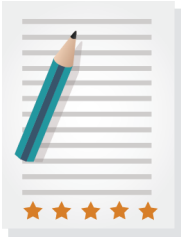
Store at -20C. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB600-973

Updated 9/9/2025 v.20.1



NB600-973-0.5mg

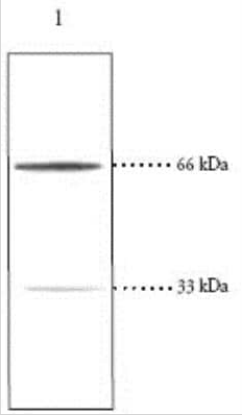
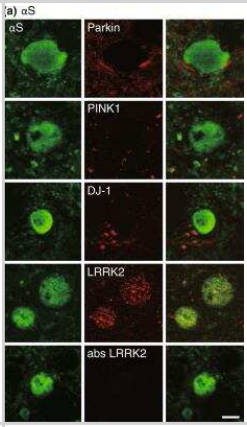
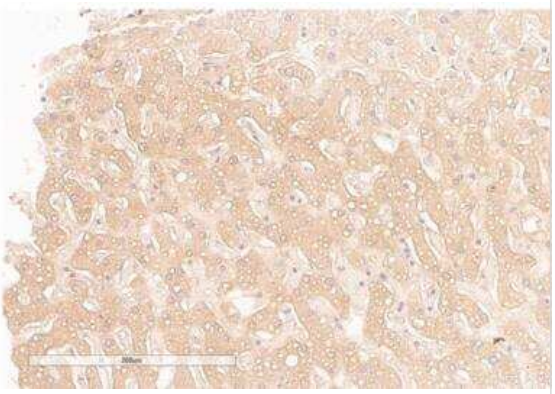
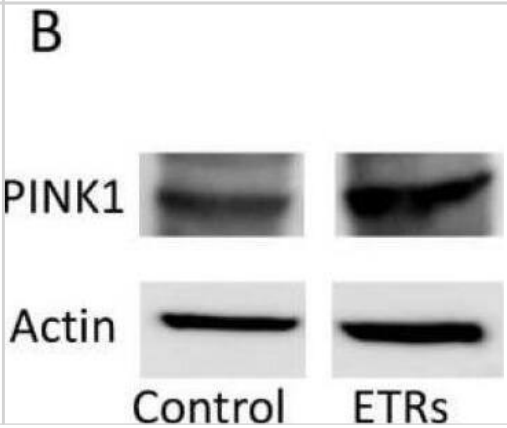
PINK1 Antibody - BSA Free

Product Information	
Unit Size	0.5 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS, pH 7.2, containing 50% glycerol
Target Molecular Weight	62.7 kDa

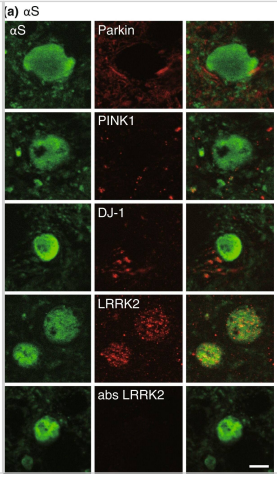
Product Description	
Description	Novus Biologicals Rabbit PINK1 Antibody - BSA Free (NB600-973) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-PINK1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	65018
Gene Symbol	PINK1
Species	Human, Mouse, Rat
Specificity/Sensitivity	PINK1 polyclonal antibody recognizes primarily the full length protein at about 66 kDa in human, mouse, and rat tissues. In addition, a truncated form of the protein at about 33 kDa is also detected.
Immunogen	PINK1 antibody was developed using a synthetic peptide from human PINK1, corresponding to amino acids 484-504 Human:LVRALLQREASKRPSARVAAN Mouse:LVRsLLQREASKRPSARVAAN

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:150, Immunohistochemistry 4ug/ml, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 4ug/ml, Immunohistochemistry-Frozen
Application Notes	IHC-Frozen reactivity reported in (PMID: 23013868), IHC-P reactivity reported in (PMID: 26935412).

Images

Western Blot: PINK1 Antibody [NB600-973] - Lane 1: The primary band with the observed molecular weight of 66 kDa was detected in mouse liver (30ug). Also, a truncated form of the protein at about 33 kDa was detected.	
Immunocytochemistry/Immunofluorescence: PINK1 Antibody [NB600-973] - LRRK2 accumulates in globules in alphaS tg mice. Double immunofluorescence for alphaS with parkin, PINK1, DJ-1, LRRK2, or negative control (the immunopeptide-preabsorbed anti-LRRK2 antibody) in alphaS tg mice. Scale bar = 5 um for all panels. Image collected and cropped by CiteAb from the following publication (https://molecularbrain.biomedcentral.com/articles/10.1186/1756-6606-5-34) licensed under a CC-BY license.	
Immunohistochemistry-Paraffin: PINK1 Antibody [NB600-973] - Staining in human liver tissue using a 1:200 dilution.	
Overexpression of PINK1 in SCs of ETRs indicating mitochondrial damage. (A) IHC of PINK1. Note the perinuclear localization of PINK1 (arrows). The broken arrows indicate SC nuclei. The inset shows magnified SC nuclei; (B,C) Western blot analysis of PINK1. The relative expression level for protein was normalized to actin and expressed as fold change relative to the control (n = 3). Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/30621351), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

LRRK2 accumulates in globules in αS tg mice. (a and b) Double immunofluorescence for αS with parkin, PINK1, DJ-1, LRRK2, or negative control (the immunopeptide-preabsorbed anti-LRRK2 antibody) in αS tg mice (a) and P123H ßS tg mice (b). Note that αS-globules were immunopositive for LRRK2 (~79%, n = 22), whereas P123H ßS globules were negative for LRRK2. Representative images are shown for the thalamus (αS) and basal ganglia (P123H ßS). Scale bar = 5 μm for all panels. (c) Triple immunofluorescence for αS, LRRK2 and Rab5B for basal ganglia in αS tg mice. LRRK2 and Rab5B were colocalized in axon terminal (arrow), but were not colocalized in the αS-globule (arrowhead) Scale bar = 10 μm for all panels. Image collected and cropped by CiteAb from the following open publication (https://pubmed.ncbi.nlm.nih.gov/23013868), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Tu M, Tan VP, Yu JD et al. RhoA signaling increases mitophagy and protects cardiomyocytes against ischemia by stabilizing PINK1 protein and recruiting Parkin to mitochondria Cell death and differentiation 2022-06-27 [PMID: 35760846] (WB, Human, Rat)

Horibe A, Eid N, Ito Y et al. Ethanol-Induced Autophagy in Sertoli Cells Is Specifically Marked at Androgen-Dependent Stages of the Spermatogenic Cycle: Potential Mechanisms and Implications. Int J Mol Sci 2019-01-06 [PMID: 30621351] (WB, Rat)

Eid N, Ito Y, Horibe A, Otsuki Y. Ethanol-induced mitophagy in liver is associated with activation of the PINK1-Parkin pathway triggered by oxidative DNA damage. Histol. Histopathol. 2016-03-03 [PMID: 26935412] (IHC-P, Rat)

Sekigawa A, Fujita M, Sekiyama K et al. Distinct mechanisms of axonal globule formation in mice expressing human wild type alpha-synuclein or dementia with Lewy bodies-linked P123H beta-synuclein. Mol Brain. 2012-09-26 [PMID: 23013868] (IHC-Fr, Mouse)

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Products Related to NB600-973-0.5mg

NB820-59232	Human Liver Whole Tissue Lysate (Adult Whole Normal)
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations
This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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