

Product Datasheet

Parkin Antibody NB100-91921

Unit Size: 0.1 ml

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

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NB100-91921**Parkin Antibody**

Product Information	
Unit Size	0.1 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2)
Target Molecular Weight	52 kDa
Product Description	
Host	Rabbit
Gene ID	5071
Gene Symbol	PRKN
Species	Human, Mouse, Rat, Equine
Reactivity Notes	Equine reactivity reported in scientific literature (PMID: 29316632).
Immunogen	Synthetic peptide, corresponding to amino acids 1-50 of Human PARK2.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin 1:50-1:200
Application Notes	Western blot (WB) analysis of Parkin (G12) pAb in extracts from Jurkat cells. Immunohistochemistry (IHC) analyzes of Parkin (G12) pAb in paraffin-embedded human brain tissue.



Publications

Qasem B, Bourebaba L, D?browska A et al. Trodusquemine (MSI-1436) restores metabolic flexibility and mitochondrial dynamics in insulin-resistant equine hepatic progenitor cells (HPCs) Preprint 2023-07-06 (WB, Equine)

Details:

Equine HPC cells used. 1:250 dilution

Maheshwari C, Vidoni C, Titone R et al. Isolation, Characterization, and Autophagy Function of BECN1-Splicing Isoforms in Cancer Cells Biomolecules 2022-08-02 [PMID: 36008963] (WB, Human)

Xie C, Zhuang XX, Niu Z et al. Amelioration of Alzheimer's disease pathology by mitophagy inducers identified via machine learning and a cross-species workflow Nature biomedical engineering 2022-01-01 [PMID: 34992270] (WB, Mouse, Human)

Wang WW, Han R, He HJ et al. Administration of quercetin improves mitochondria quality control and protects the neurons in 6-OHDA-lesioned Parkinson's disease models Aging 2021-04-20 [PMID: 33878030] (WB, Rat)

Liu J, Zhang C, Wu H et al. Parkin ubiquitinates phosphoglycerate dehydrogenase to suppress serine synthesis and tumor progression J. Clin. Invest. 2020-06-01 [PMID: 32478681] (IF/IHC, Human)

Eid N, Ito Y, Horibe A et al. Ethanol-Induced Mitochondrial Damage in Sertoli Cells is Associated with Parkin Overexpression and Activation of Mitophagy Cells 2019-03-25 [PMID: 30934625] (IHC-P, Rat)

Bryant JL, Guda PR, Asemu G et al. Glomerular mitochondrial changes in HIV associated renal injury. Exp. Mol. Pathol. 2018-03-31 [PMID: 29608912] (IF/IHC)

Marycz K, Kornicka K, Szlapka-Kosarzewska J, Weiss C. Excessive Endoplasmic Reticulum Stress Correlates with Impaired Mitochondrial Dynamics, Mitophagy and Apoptosis, in Liver and Adipose Tissue, but Not in Muscles in EMS Horses Int J Mol Sci 2018-01-06 [PMID: 29316632] (WB, Equine)

Liu J, Zhang C, Zhao Y et al. Parkin targets HIF-1a for ubiquitination and degradation to inhibit breast tumor progression Nat Commun. 2017-11-28 [PMID: 29180628] (IF/IHC, Human)

Ma L, Zhu J, Gao Q et al. Restoring Pharmacologic Preconditioning in the Aging Heart: Role of Mitophagy/Autophagy. J. Gerontol. A Biol. Sci. Med. Sci. 2016-08-26 [PMID: 27565512] (ICC/IF)

Eid N, Ito Y, Otsuki Y. Triggering of Parkin Mitochondrial Translocation in Mitophagy: Implications for Liver Diseases. Front Pharmacol. [PMID: 27199746] (IF/IHC, ICC/IF)

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)

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