

Product Datasheet

Parkin Antibody (JF82-09) NBP2-67017

Unit Size: 100 ul

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

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NBP2-67017

Parkin Antibody (JF82-09)

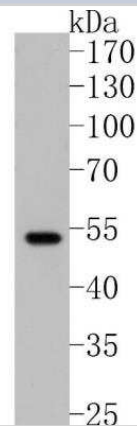
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	JF82-09
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Target Molecular Weight	52 kDa

Product Description	
Host	Rabbit
Gene ID	5071
Gene Symbol	PRKN
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within N-terminal human Parkin. (SwissProt: O60260 Human; SwissProt: Q9WVS6 Mouse; SwissProt: Q9JK66 Rat)

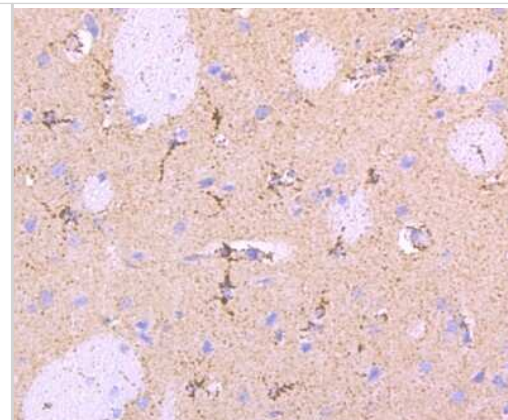
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:1000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence IF-Tissue-1:50-1:200, IF-Cell-1:50-1:200, Immunoprecipitation Use at an assay dependent concentration, Immunohistochemistry-Paraffin 1:50-1:200

Images

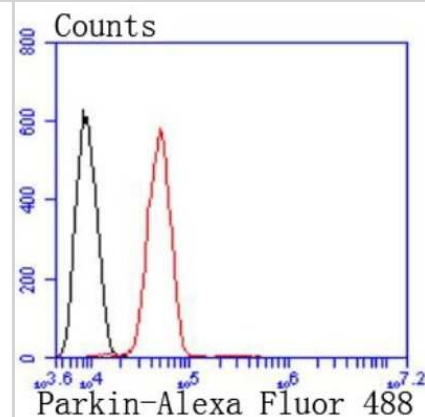
Western Blot: Parkin Antibody (JF82-09) [NBP2-67017] - Analysis of Parkin on 293T cell lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:5,000 dilution was used for 1 hour at room temperature.



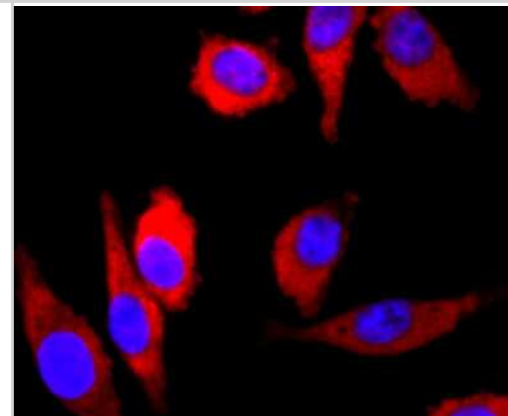
Immunohistochemistry-Paraffin: Parkin Antibody (JF82-09) [NBP2-67017] - Analysis of paraffin-embedded rat brain tissue using anti-Parkin antibody. Counter stained with hematoxylin.



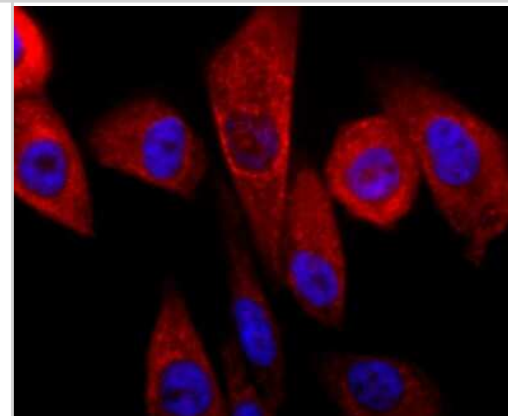
Flow Cytometry: Parkin Antibody (JF82-09) [NBP2-67017] - Analysis of SH-SY-5Y cells with Parkin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody



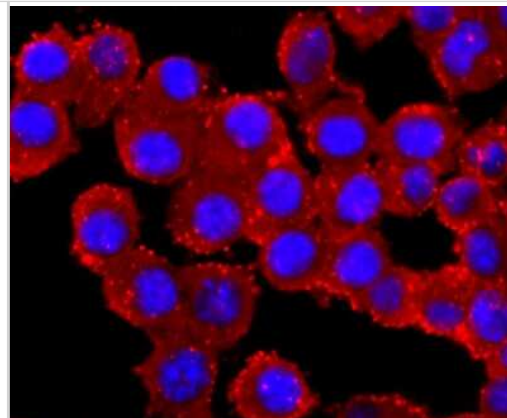
Immunocytochemistry/Immunofluorescence: Parkin Antibody (JF82-09) [NBP2-67017] - Staining Parkin in SH-SY-5Y cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



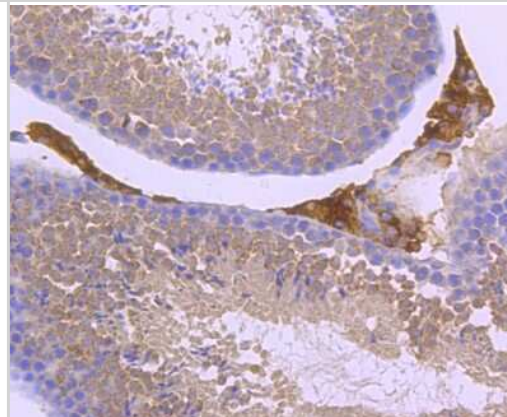
Immunocytochemistry/Immunofluorescence: Parkin Antibody (JF82-09) [NBP2-67017] - Staining Parkin in PC-3M cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



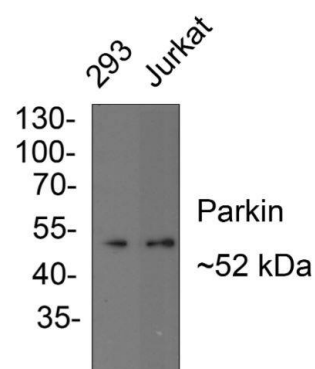
Immunocytochemistry/Immunofluorescence: Parkin Antibody (JF82-09) [NBP2-67017] - Staining Parkin in N2A cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: Parkin Antibody (JF82-09) [NBP2-67017] - Analysis of paraffin-embedded mouse testis tissue using anti-Parkin antibody. Counter stained with hematoxylin.



Western Blot: Parkin Antibody (JF82-09) [NBP2-67017] -Analysis of Parkin on different lysates with Rabbit anti-Parkin antibody at 1/1,000 dilution. Lane 1: 293 cell lysate Lane 2: Jurkat cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 52 kDa Observed band size: 52 kDa Exposure time: 1 minutes; 10% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



Publications

Zi Huang, Pei-Yao Xiao, Jing-Yan Chen, Qing Zeng, Bei-Xu Huang, Jian Yu, Song-Jie Liao Mammalian Sterile 20-Like Kinase 1 Mediates Neuropathic Pain Associated with Its Effects on Regulating Mitophagy in Schwann Cells Oxidative Medicine and Cellular Longevity 2022-05-24 [PMID: 35656021]

Zhang XL, Lei Y, Xiao YB et al. Hen Egg Lysozyme Alleviates Static Mechanical Pain Via NRF1-Parkin-TACAN Signaling Axis in Sensory Neurons Neuroscience 2022-08-17 [PMID: 35985504] (IHC-Fr, Mouse)

Details:

Dilution used for IHC-Fr 1:200

Zhang QQ, Luo L, Liu MX et al. Enriched Environment-Induced Neuroprotection against Cerebral Ischemia-Reperfusion Injury Might Be Mediated via Enhancing Autophagy Flux and Mitophagy Flux Mediators of Inflammation 2022-01-01 [PMID: 35795405] (IF/IHC, Mouse)

Wu D, Zhang H, Wu Q et al. Sestrin 2 protects against LPS-induced acute lung injury by inducing mitophagy in alveolar macrophages Life sciences 2020-12-23 [PMID: 33359748] (WB, Mouse)

Gao LP, Xiao K, Wu YZ et al. Enhanced Mitophagy Activity in Prion-Infected Cultured Cells and Prion-Infected Experimental Mice via a Pink1/Parkin-Dependent Mitophagy Pathway ACS Chem Neurosci 2020-02-25 [PMID: 32049477] (WB)

Lin Q, Li S, Jiang N et al. PINK1-parkin pathway of mitophagy protects against contrast-induced acute kidney injury via decreasing mitochondrial ROS and NLRP3 inflammasome activation Redox Biol. 2019-06-11 [PMID: 31229841] (WB, ICC/IF, Mouse)





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Products Related to NBP2-67017

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-51533-0.1mg	Recombinant Human Parkin His Protein

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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