

Product Datasheet

Parkin Antibody (PRK8) NBP2-29838

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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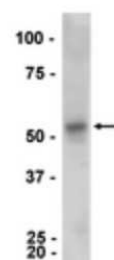
NBP2-29838**Parkin Antibody (PRK8)**

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PRK8
Preservative	0.05% Sodium Azide
Isotype	IgG2b
Purity	Unpurified
Buffer	Ascites, containing 30% glycerol.
Product Description	
Description	Relevant Entrez Gene Numbers: NM_004562
Host	Mouse
Gene ID	5071
Gene Symbol	PRKN
Species	Human, Mouse
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Specificity/Sensitivity	Parkin 52kDa. May be observed as a doublet at 52 and 46kDa weight may be detected.
Immunogen	Full length recombinant human Parkin. Epitope has been mapped to the second ring domain (aa 399-465).
Notes	Relevant Entrez Gene Numbers: NM_004562
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:10-1:500, Immunoprecipitation 1:10-1:500



Images

Western Blot: Parkin Antibody (PRK8) [NBP2-29838] - HEK293 cell lysate was probed with anti- Parkin, clone PRK8 (1:2000 dilution). Arrow indicates Parkin (~52kDa).



Publications

Kshirsagar S, Alvir RV, Pradeepkiran JA et al. A Combination Therapy of Urolithin A+EGCG Has Stronger Protective Effects than Single Drug Urolithin A in a Humanized Amyloid Beta Knockin Mice for Late-Onset Alzheimer's Disease Cells 2022-08-27 [PMID: 36078067] (Immunocytochemistry/ Immunofluorescence)

Reddy PH, Kshirsagar S, Bose C et al. Rlip Reduction Induces Oxidative Stress and Mitochondrial Dysfunction in Mutant Tau-Expressed Immortalized Hippocampal Neurons: Mechanistic Insights Cells 2023-06-16 [PMID: 37371116] (Western Blot, Immunocytochemistry/ Immunofluorescence)

Zhao N, Zhang X, Li B et al. Treadmill Exercise Improves PINK1/Parkin-Mediated Mitophagy Activity Against Alzheimer's Disease Pathologies by Upregulated SIRT1-FOXO1/3 Axis in APP/PS1 Mice Molecular neurobiology 2022-10-20 [PMID: 36261693]

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

Kshirsagar S, Sawant N, Morton H Et al. Mitophagy enhancers against phosphorylated Tau-induced mitochondrial and synaptic toxicities in Alzheimer disease Pharmacological research 2021-11-08 [PMID: 34763094] (WB, Mouse)

Chung E, Choi Y, Park J et al. Intracellular delivery of Parkin rescues neurons from accumulation of damaged mitochondria and pathological alpha-synuclein Sci. Adv. 2020-05-01 [PMID: 32494688] (ICC/IF, Mouse)



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Products Related to NBP2-29838

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP2-27231	Mouse IgG2b Isotype Control (MPC-11)
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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