Product Datasheet

Park7/DJ-1 Antibody (4H4) - BSA Free
NBP1-92715

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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Publications: 2

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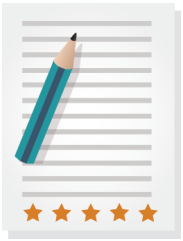
Updated 9/9/2025 v.20.1



NBP1-92715

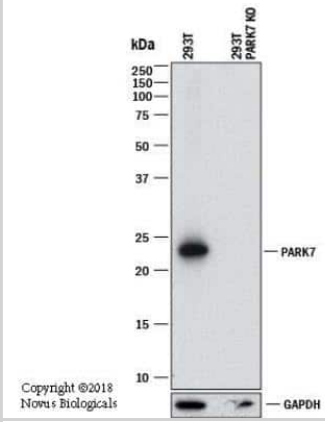
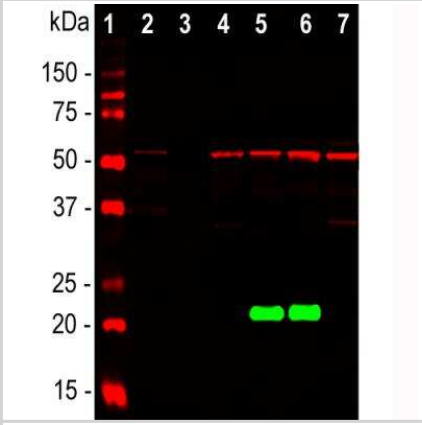
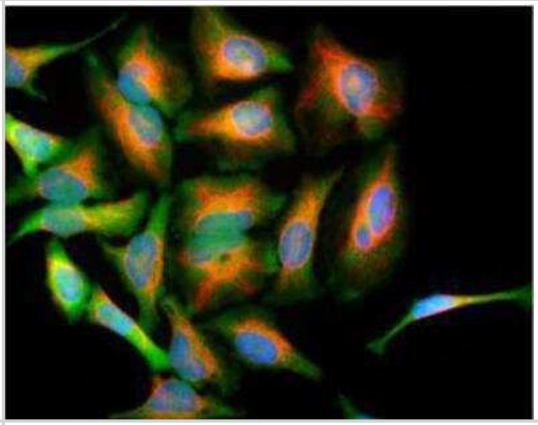
Park7/DJ-1 Antibody (4H4) - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4H4
Preservative	5mM Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	50% PBS, 50% glycerol
Target Molecular Weight	21 kDa

Product Description	
Description	Novus Biologicals Knockout (KO) Validated Mouse Park7/DJ-1 Antibody (4H4) - BSA Free (NBP1-92715) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-Park7/DJ-1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	11315
Gene Symbol	PARK7
Species	Human, Bovine, Mouse (Negative), Rat (Negative)
Reactivity Notes	Not reactive with rodent.
Immunogen	Full length recombinant human Park7(DJ-1) expressed in and purified from E. coli. [UniProt# Q99497]

Product Application Details	
Applications	Western Blot, Simple Western, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1:5000, Simple Western 1:500, Immunohistochemistry 1:5000, Immunocytochemistry/ Immunofluorescence 1:5000, Knockout Validated
Application Notes	In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: Tested in HeLa lysate 0.5 mg/mL, separated by Size, antibody dilution of 1:500, apparent MW was 26 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

Western Blot: Park7/DJ-1 Antibody (4H4) [NBP1-92715] - Western blot shows lysates of 293T human embryonic kidney parental cell line and PARK7 knockout (KO) 293T cell line. PVDF membrane was probed with Mouse Anti-Human PARK7 Monoclonal Antibody (Catalog # NBP1-92715) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog #HAF008). Specific band was detected for PARK7 at approximately 23 kDa (as indicated) in the parental 293T cell line, but is not detectable in the knockout 293T cell line. This experiment was conducted under reducing conditions.	
Western Blot: Park7/DJ-1 Antibody (4H4) [NBP1-92715] - Analysis of whole brain and cell lysates using mouse mAb against DJ1/Park7, NBP1-92715, dilution 1:5,000 in green. [1] protein standard, [2] rat brain, [3] mouse brain, [4] NIH-3T3, [5] HeLa, [6] HEK293, and [7] C6 cells. The DJ1 antibody detects protein with apparent molecular weight of 21kDa but only in human cell lines, since it does not recognize the rat or mouse DJ1 protein. The blot was simultaneously probed with chicken pAb to vimentin, dilution 1;5,000 in red, revealing a single band at about 50kDa present in all lanes, though at much lower levels in the tissue lysates.	
Immunocytochemistry/Immunofluorescence: Park7(DJ-1) Antibody (4H4) [NBP1-92715] - HeLa cells stained with NBP1-92715 (green), chicken antibody to Vimentin (NB300-223, red) and DNA (blue). NBP1-92715 reveals strong cytoplasmic staining for Park7(DJ-1).	
Simple Western: Park7/DJ-1 Antibody (4H4) [NBP1-92715] - Lane view shows a specific band for Park7 (DJ-1) in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.	

Publications

Repici M, Hassanjani M, Maddison DC et al. The Parkinson's Disease-Linked Protein DJ-1 Associates with Cytoplasmic mRNP Granules During Stress and Neurodegeneration. Mol Neurobiol 2018-04-19 [PMID: 29675578]

Wang C, Fang M, Zhang M et al. The positive correlation between DJ-1 and beta-catenin expression shows prognostic value for patients with glioma. Neuropathology 2013-05-28 [PMID: 23714193] (ICC/IF, Human)

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Products Related to NBP1-92715

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-92715F	Park7/DJ-1 Antibody (4H4) [FITC]

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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