

DJ-1 Recombinant Rabbit Monoclonal Antibody (SN07-21)

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	SN07-21
Conjugate	Unconjugated
Immunogen	Synthetic peptide within Human PARK7 aa 11-60
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	TBS, pH 7.4, with 40% Glycerol, 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2809582

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:2,000	-
Immunohistochemistry (IHC)	1:100-1:500	-
Immunocytochemistry (ICC/IF)	1:100-1:500	-
Flow Cytometry (Flow)	1:50-1:100	-

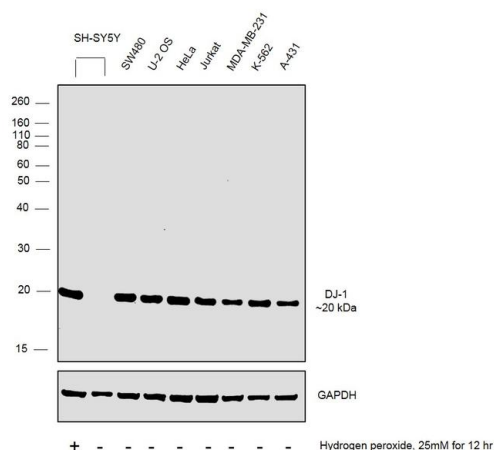
Product Specific Information

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For DJ-1 Recombinant Rabbit Monoclonal Antibody (SN07-21)

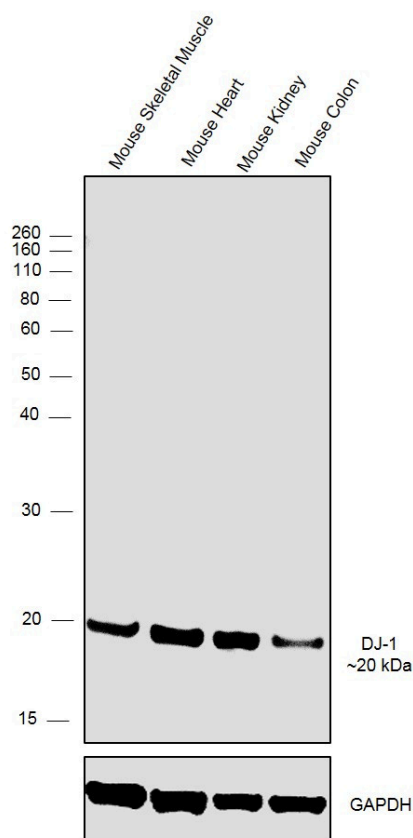
DJ-1 Antibody (MA5-32297) in WB

Western blot was performed using Anti-DJ-1 Monoclonal Antibody, (Product # MA5-32297) and a ~20 kDa band corresponding to DJ-1 was observed across the panel tested. Whole cell extracts (30 µg lysate) of SH-SY5Y treated with Hydrogen peroxide (25mM for 12 hr) (Lane 1), SH-SY5Y (Lane 2), SW480 (Lane 3), U-2-OS (Lane 4), HeLa (Lane 5), Jurkat (Lane 6), MDA-MB-231 (Lane 7), K-562 (Lane 8) and A-431 (Lane 9) were electrophoresed using Novex® NuPAGE® 12% % Bis-Tris gel (Product # NP0341BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:500 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005)..



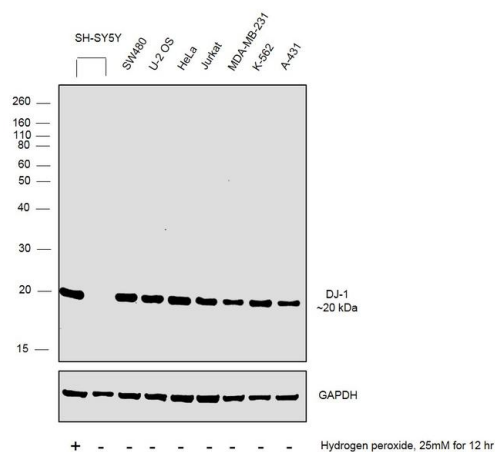
DJ-1 Antibody (MA5-32297)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Relative expression of DJ-1 was observed in Mouse Skeletal Muscle, Heart and Kidney as opposed to Mouse Colon using DJ-1 Monoclonal Antibody (Product # MA5-32297) in western blot. {RE}



DJ-1 Antibody (MA5-32297)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Anti- DJ-1 Monoclonal Antibody (Product # MA5-32297) , shows increased expression of DJ-1 in SH-SY5Y cell line upon Hydrogen peroxide treatment. {TM}



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