

# DJ-1 Polyclonal Antibody

## Product Details

Size	100 µL
Species Reactivity	Bovine, Chicken, Fish, Hamster, Human, Mouse, Rat, Zebrafish
Published Species	Human
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues between 150-189 of human DJ-1 (the C-terminus).
Form	Liquid
Concentration	1.0 mg/mL
Storage buffer	whole serum
Contains	no preservative
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1957262

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:500	-
Immunofluorescence (IF)	1:500	-
Immunohistochemistry (Paraffin) (IHC (P))	Assay Dependent	-
Immunoprecipitation (IP)	1:200	-
In vitro Assay (IV)	Assay Dependent	-
Western Blot (WB)	1:2,000	1 Publication

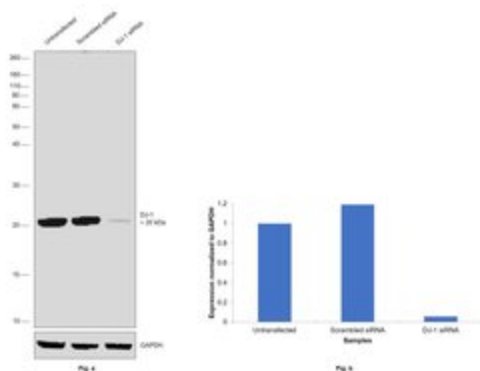
## Product Specific Information

PA1-32440 detects DJ1 from mouse, human, rat, hamster and fish samples.

## Advanced Verification Data

### DJ-1 Antibody (PA1-32440)

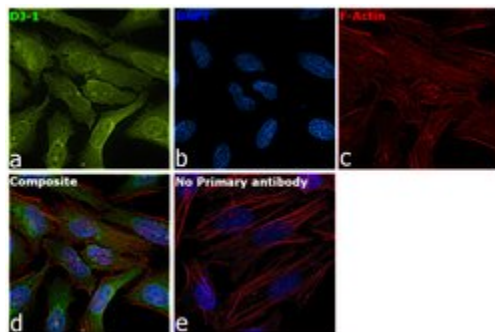
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with DJ-1 siRNA and decrease in signal intensity was observed in western blot application using DJ-1 Polyclonal Antibody (Product # PA1-32440). Knockdown validation info.



## Product Images For DJ-1 Polyclonal Antibody

### DJ-1 Antibody (PA1-32440) in ICC

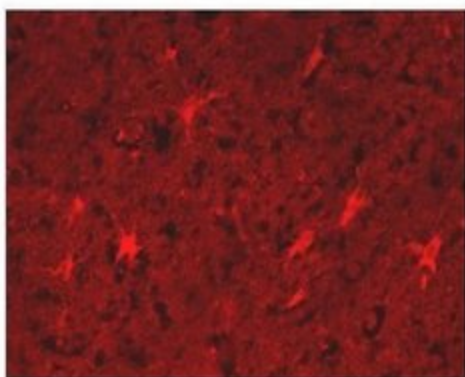
Immunofluorescence analysis of DJ-1 was performed using 70% confluent log phase He-La cells. The cells were fixed with 4% Paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with DJ-1 Polyclonal Antibody (Product # PA1-32440) at 1:500 dilution in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Donkey anti-Rabbit IgG (H+L) Highly Cross-Adsorbed Secondary Antibody, Alexa Fluor Plus 488 (Product # A32790, 1:2000 dilution) for 45 minutes at room temperature (Panel a: Green). Nuclei (Panel b: Blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: Red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cytoplasmic and nuclear localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.



### DJ-1 Antibody (PA1-32440) in IHC (P)

Immunohistochemistry (Paraffin) analysis of DJ-1 in human cortex tissue using DJ-1 Polyclonal Antibody (Product # PA1-32440).

DJ-1



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## Western Blot (1)

Free radical biology and medicine

### Identification of potential therapeutic compounds for Parkinson's disease using *Drosophila* and human cell models.

"PA132440 was used in western blot to use a fruit fly model to identify compounds that alleviate Parkinson's disease"

Authors: Sanz FJ,Solana-Manrique C,Muñoz-Soriano V,Calap-Quintana P,Moltó MD,Paricio N

**Species**  
Human

**Dilution**  
1:1000

**Year**  
2017

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