Leader in Biomolecular Solutions for Life Science

DJ-1/PARK7 Rabbit mAb

Catalog No.: A19097

Recombinant | 3 Publications

www.abclonal.com

Basic Information

Observed MW
23 kDa

Calculated MW
20 kDa

Category
Monoclonal Antibodies

Applications
WB, IP, IF/ICC, IHC-P, ELISA

Cross Reactivity
Human, Mouse, Rat

Clone No.
ARC0354

Background

The product of this gene belongs to the peptidase C56 family of proteins. It acts as a positive regulator of androgen receptor-dependent transcription. It may also function as a redox-sensitive chaperone, as a sensor for oxidative stress, and it apparently protects neurons against oxidative stress and cell death. Defects in this gene are the cause of autosomal recessive early-onset Parkinson disease 7. Two transcript variants encoding the same protein have been identified for this gene.

Recommended Dilutions

WB	1:1000 - 1:6000
IP	0.5 μg - 4 μg antibody for 200 μg - 400 μg extracts of whole cells
IF/ICC	1:100 - 1:200
IHC-P	1:200 - 1:800
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
11315

Swiss-Prot
Q99497

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
DJ1; DJ-1; GATD2; HEL-S-67p; DJ-1/PARK7

Contact

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Product Information

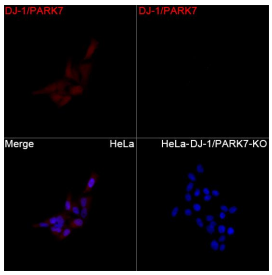
Source
Rabbit

Isotype
IgG

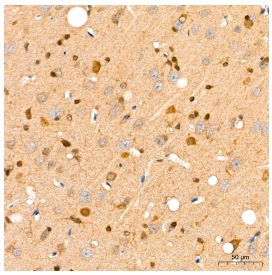
Purity
Affinity purification

Storage
Store at -20℃

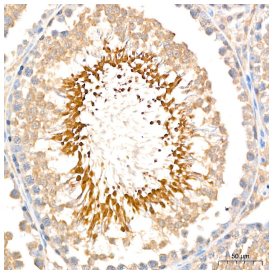
Validation Data



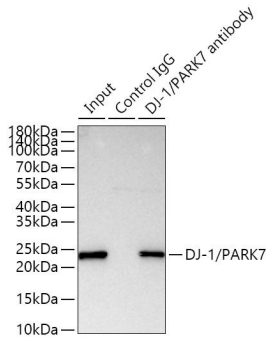
Immunofluorescence analysis of HeLa cells and DJ-1/PARK7 knockout (KO) HeLa cells using DJ-1/PARK7 Rabbit mAb (A19097) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



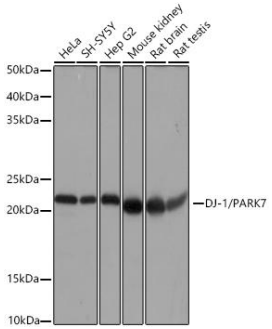
Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using DJ-1 /PARK7 Rabbit mAb (A19097) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using DJ-1 /PARK7 Rabbit mAb (A19097) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IHC staining.



Immunoprecipitation of DJ-1/PARK7 from 300 µg extracts of HeLa cells was performed using 2 µg of DJ-1/PARK7 Rabbit mAb (A19097). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using DJ-1/PARK7 Rabbit mAb (A19097) at a dilution of 1:1000.



Western blot analysis of various lysates using DJ-1/PARK7 Rabbit mAb (A19097) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1s.