

## ARG63279 anti-PARK7 / DJ1 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes PARK7 / DJ1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Specificity	Variants (NP_001116849.1; NP_009193.2) encode the same protein.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PARK7 / DJ1
Species	Human
Immunogen	C-AAQVKAPLVLKD
Conjugation	Un-conjugated
Alternate Names	DJ1; DJ-1; Oncogene DJ1; EC 3.5.1.-; Parkinson disease protein 7; HEL-S-67p; EC 3.1.2.-; Protein deglycase DJ-1

### Application Instructions

Application table	Application	Dilution
	ICC/IF	5 µg/ml
	IHC-P	5 - 10 µg/ml
	WB	0.05 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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. [provided by RefSeq, Jul 2008]

Highlight

Related products:

[PARK7 antibodies](#); [Anti-Goat IgG secondary antibodies](#);

Related news:

[Astrocyte-to-neuron conversion for Parkinson's disease treatment](#)

Research Area

Cancer antibody; Gene Regulation antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody

Calculated Mw

20 kDa

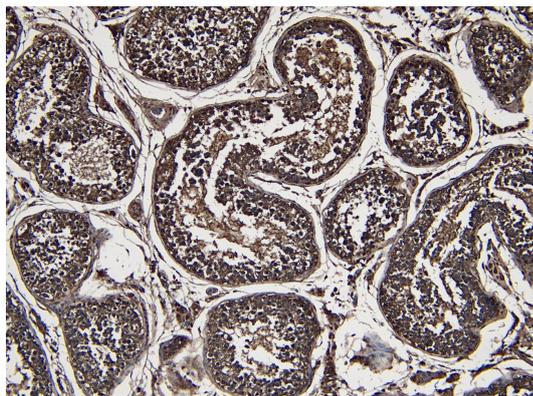
PTM

Sumoylated on Lys-130 by PIAS2 or PIAS4; which is enhanced after ultraviolet irradiation and essential for cell-growth promoting activity and transforming activity.

Cys-106 is easily oxidized to sulfinic acid.

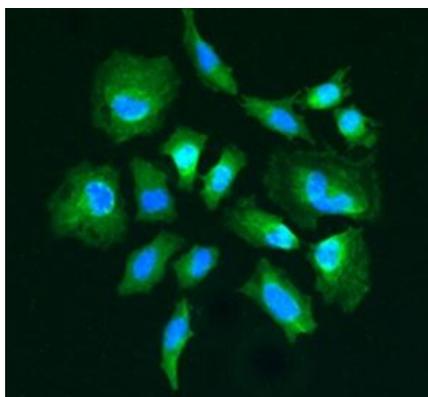
Undergoes cleavage of a C-terminal peptide and subsequent activation of protease activity in response to oxidative stress.

## Images



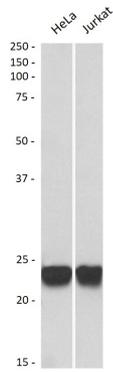
ARG63279 anti-PARK7 / DJ1 antibody IHC-P image

Immunohistochemistry: Human Testis stained with ARG63279 anti-PARK7 / DJ1 antibody at 7  $\mu$ g/ml dilution.



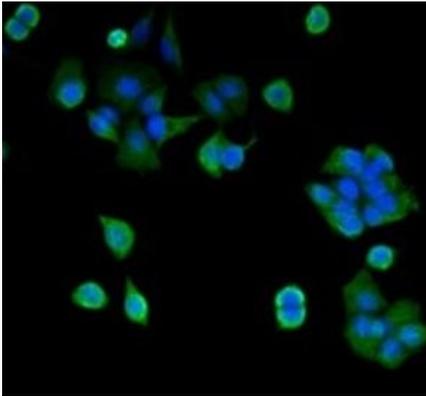
ARG63279 anti-PARK7 / DJ1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG63279 anti-PARK7 / DJ1 antibody (green) at 5  $\mu$ g/ml dilution. Nuclei Counterstained with DAPI (blue).



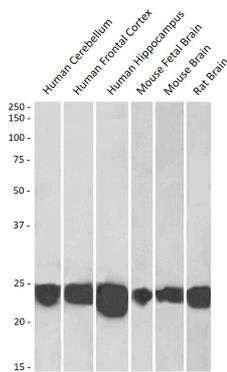
#### ARG63279 anti-PARK7 / DJ1 antibody WB image

Western blot: 35  $\mu$ g of HeLa and Jurkat cell lysates (in RIPA buffer) stained with ARG63279 anti-PARK7 / DJ1 antibody at 0.001  $\mu$ g/ml dilution and incubated at RT for 1 hour.



#### ARG63279 anti-PARK7 / DJ1 antibody ICC/IF image

Immunofluorescence: MCF7 cells stained with ARG63279 anti-PARK7 / DJ1 antibody (green) at 5  $\mu$ g/ml dilution. Nuclei Counterstained with DAPI (blue).



#### ARG63279 anti-PARK7 / DJ1 antibody WB image

Western blot: 35  $\mu$ g of Human Cerebellum, Human Frontal Cortex, Human Hippocampus, Mouse Fetal Brain, Mouse Brain and Rat Brain lysates (in RIPA buffer) stained with ARG63279 anti-PARK7 / DJ1 antibody at 0.001  $\mu$ g/ml dilution and incubated at RT for 1 hour.