

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-AAQVKAPLVKLD
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

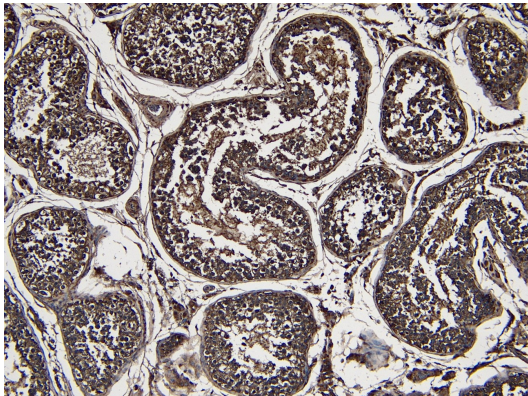
PTM

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.

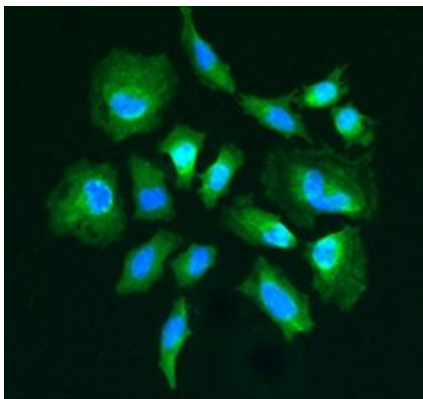
Undergoes cleavage of a C-terminal peptide and subsequent activation of protease activity in response to oxidative stress.

Images



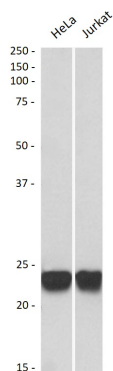
ARG63279 anti-PARK7 / DJ1 antibody IHC-P image

Immunohistochemistry: Human Testis stained with ARG63279 anti-PARK7 / DJ1 antibody at 7 µg/ml dilution.



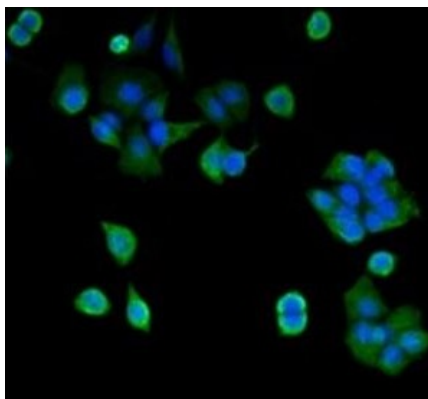
ARG63279 anti-PARK7 / DJ1 antibody ICC/IF image

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



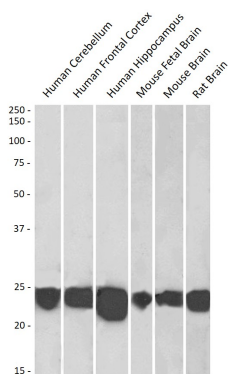
ARG63279 anti-PARK7 / DJ1 antibody WB image

Western blot: 35 µg of HeLa and Jurkat cell lysates (in RIPA buffer) stained with ARG63279 anti-PARK7 / DJ1 antibody at 0.001 µg/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 µg/ml dilution. Nuclei Counterstained with DAPI (blue).



ARG63279 anti-PARK7 / DJ1 antibody WB image

Western blot: 35 µg 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 µg/ml dilution and incubated at RT for 1 hour.