

Datasheet for ABIN2784491  
**anti-PARK7/DJ1 antibody (C-Term)**



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3 Images

## Overview

Quantity:	100 µL
Target:	PARK7/DJ1 (PARK7)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Dog, Horse, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PARK7/DJ1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human PARK7
Sequence:	TYSENRVKED GLILTSRGPQ TSFEFALAIV EALNGKEVAA QVKAPLVLKD
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 79%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against PARK7. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	PARK7/DJ1 (PARK7)
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## Target Details

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Alternative Name: [PARK7 \(PARK7 Products\)](#)

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Background: PARK7 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. 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.

Alias Symbols: DJ-1, DJ1, FLJ27376

Protein Interaction Partner: GOPC, VHL, UBC, PARK7, NPM1, BBS1, SNCA, Bax, HIPK1, TDP2, PRDX5, PPARGC1A, FADD, PRDX2, TALDO1, SREBF2, SFPQ, PTEN, NONO, MAP3K5, HSPA4, CASP8, BAG1, ATP5J, AR, PINK1, TP53, SLC18A2, PARK2, NDUFS3, NDUFA4, ND1, MAP1B, CSN1S1, SUMO1, UBE2I, DAXX, UBA2, BC

Protein Size: 189

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Molecular Weight: 20 kDa

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Gene ID: 11315

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NCBI Accession: [NM\\_007262](#), [NP\\_009193](#)

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UniProt: [Q99497](#)

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Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Intracellular Steroid Hormone Receptor Signaling](#), [Proton Transport](#)

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## Application Details

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Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

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Comment: Antigen size: 189 AA

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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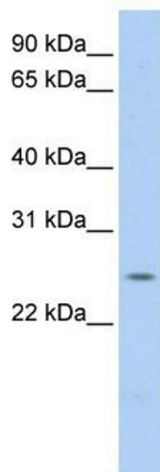
Concentration: Lot specific

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## Handling

Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

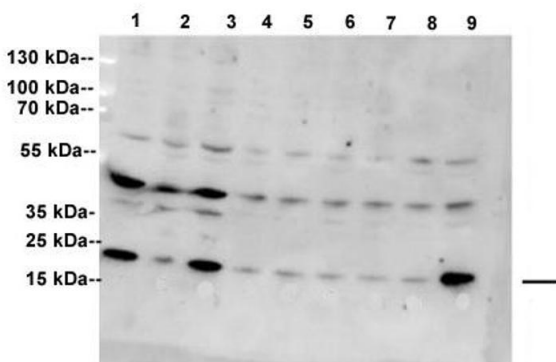
## Images



### Western Blotting

**Image 1.** WB Suggested Anti-PARK7 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: HepG2 cell lysate

### PARK7



See Immunblot 2 Data for more information.

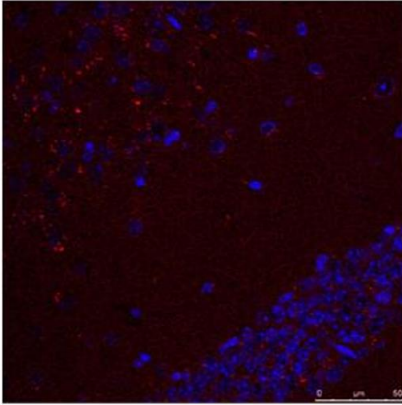
### Western Blotting

**Image 2. Sample type:** 1: Scrambled (20ug)  
2: Stable DJ1 knockdown SH-SY5Y cell line (20ug)  
3: Scrambled (20ug)  
4: ShRNA clone 1 (20ug)  
5: ShRNA clone 2 (20ug)  
6: ShRNA clone 3 (20ug)  
7: ShRNA clone 4 (20ug)  
8: ShRNA clone 5 (20ug)  
9: Scrambled (20ug)

**Primary Dilution:** 1:5000

**Secondary Antibody:** anti-goat Ig, alkaline phosphatase

**PARK7**



See Immunohistochemistry 1 Data for more information.

conjugated and anti rabbit alkaline phosphatase

**Secondary Dilution:** 1:5000

**Image Submitted By:** Shushant Jain

VU Medical Center

**Immunohistochemistry**

**Image 3. Sample Type:** Mouse Brain Slices

**Red:** primary

**Blue:** DAPI

**Primary Dilution:** 1:400

**Secondary Antibody:** Anti-Rabbit IgG Alexa 594

**Secondary Dilution:** 1:400

**Image Submitted By:** Adahir Labrador-Garrido and Cintia

Roodveldt

University of Seville