

Rabbit DJ-1 Polyclonal Antibody | anti-PARK7 antibody

DJ-1 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284447	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Zebrafish)	Immunofluorescence, ELISA, Western Blot

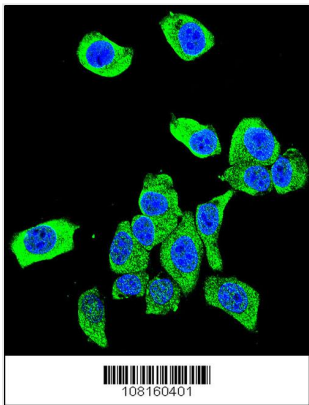
PRODUCT SYNONYMS

DJ-1; Polyclonal Antibody; DJ-1 Antibody (N-term); Protein DJ-1; 34--; Oncogene DJ1; Parkinson disease protein 7; PARK7; anti-PARK7 antibody

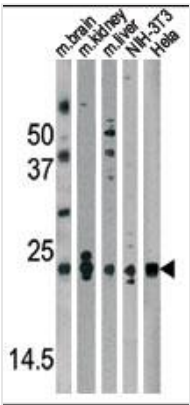
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Zebrafish)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This DJ-1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human DJ-1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	1-30
Sequence Length	189
Applicable Applications for anti-PARK7 antibody	IF (Immunofluorescence), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Confocal immunofluorescent analysis of DJ-1 Antibody (N-term) with Hela cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



WB (Western Blot)
Western blot analysis of anti-Park7 (DJ-1) Antibody (N-term) in mouse brain, kidney, liver tissue lysates and NIH-3T3, Hela cell line lysates (35ug/lane). Park7 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-PARK7 antibody	Park 7 acts as positive regulator of androgen receptor-dependent transcription, and may function as redox-sensitive chaperone and as sensor for oxidative stress, as well as preventing aggregation of SNCA. This protein has been shown to protect neurons against oxidative stress and cell death, and to play a role in fertilization. Park7 is detected in tau inclusions in brains from neurodegenerative disease patients, and is generally highly expressed in pancreas, kidney, skeletal muscle, liver, testis and heart, with detectable levels in placenta, brain, astrocytes, Sertoli cells, spermatogonia, spermatids and spermatozoa. Defects in Park7 are the cause of autosomal recessive early-onset Parkinson disease 7 (PARK7), a form of Parkinson disease characterized by onset before 40 years, slow progression and initial good response to levodopa.
Product Categories/Family for anti-PARK7 antibody	Cancer; Cell Biology; Metabolism; Neuroscience; Signal Transduction
References	Kim, R.H., et al., Cancer Cell 7(3):263-273 (2005). Shinbo, Y., et al., Int. J. Oncol. 26(3):641-648 (2005). Takahashi-Niki, K., et al., Biochem. Biophys. Res. Commun. 320(2):389-397 (2004). Hering, R., et al., Hum. Mutat. 24(4):321-329 (2004). Maraganore, D.M., et al., Neurology 63(3):550-553 (2004).

NCBI AND UNIPROT INFORMATION

NCBI GI #	183227678
NCBI GeneID	11315
NCBI Accession #	NP_001116849.1; NP_009193.2
NCBI GenBank Nucleotide #	NM_001123377.1
UniProt Accession #	Q99497; O14805; Q6DR95; Q7LFU2; B2R4Z1
Molecular Weight	19891
NCBI Official Full Name	protein DJ-1
NCBI Official Synonym Full Names	parkinson protein 7
NCBI Official Symbol	PARK7
NCBI Official Synonym Symbols	DJ1; DJ-1; HEL-S-67p
NCBI Protein Information	protein deglycase DJ-1
UniProt Protein Name	Protein deglycase DJ-1
UniProt Gene Name	PARK7

UniProt Synonym Gene Names	DJ-1
UniProt Entry Name	PARK7_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dj-1-antibody-immunofluorescence-western-blot-elisa/284447>