



DJ-1, PARK7 (DJ-1) Polyclonal Antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-24369
Animal ID	N/A
Host	Rabbit
Reactivity	Human, Mouse
Format	Affinity Purified
Accession number	NP_009193.2
Amount	0.1 mg

Alternative Name(s):

N/A

References:

1. Bandmann O: DJ-1: the second gene for early onset Parkinson disease. *Neurology*. Feb 10;62(3): 357-8 (2004).
2. Hedrich K, Djarmati A, Schafer N, Hering R, Wellenbrock C, Weiss PH, Hilker R, Vieregge P, Ozelius LJ, Heutink P, Bonifati V, Schwinger E, Lang AE, Noth J, Bressman SB, Pramstaller PP, Riess O, and Klein C: DJ-1 (PARK7) mutations are less frequent than Parkin (PARK2) mutations in early-onset Parkinson disease. *Neurology*. Feb 10;62(3): 389-94 (2004).
3. Bandopadhyay R, Kingsbury AE, Cookson MR, Reid AR, Evans IM, Hope AD, Pittman AM, Lashley T, Canet-Aviles R, Miller DW, McLendon C, Strand C, Leonard AJ, Abou-Sleiman PM, Healy DG, Ariga H, Wood NW, de Silva R, Revesz T, Hardy JA, and Lees AJ: The expression of DJ-1 (PARK7) in normal human CNS and idiopathic Parkinson's disease. *Brain*. Feb;127(Pt 2): 420-30 (2004).
4. Bonifati V, Rizzu P, Squitieri F, Krieger E, Vanacore N, van Swieten JC, Brice A, van Duijn CM, Oostra B, Meco G, and Heutink P: DJ-1 (PARK7), a novel gene for autosomal recessive, early onset parkinsonism. *Neurol Sci*. Oct; 24(3): 159-60 (2003).

Four chromosomal loci (PARK2, PARK6, PARK7, and PARK9) associated with autosomal recessive, early onset parkinsonism are known. Positional cloning within the refined PARK7 critical region recently identified mutations in the DJ-1 gene in PARK7-linked families. Mutations in the PARK7/DJ-1 gene cause autosomal-recessive Parkinsons disease.

Buffers

Purified rabbit polyclonal antibody supplied in PBS, pH7.2 with 0.02% (W/V) sodium azide. This antibody is purified through a peptide immunoaffinity column and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

Reacts with residues 167-189 (AIVEALNGKEV-AAQVKAPLVLKD) of human PARK7 (DJ-1). Also detects PARK7 (DJ-1) in mouse brain. 82% sequence identity to mouse and rat DJ-1.

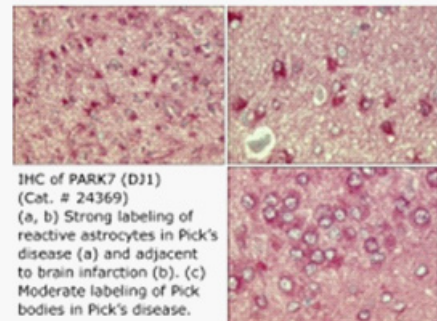
Application

Tested by peptide-specific ELISA (1:1,000), WB (1:500-1:1,000). IHC (1:250-1:750)

*Note: Optimal dilution to be determined by the researcher.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.



Detects PARK7 (DJ-1)/V5 fusion protein in transfected human HEK293 cells. Detects endogenous PARK7 (DJ-1) in human and mouse brain.