Rabbit PARK7 Polyclonal Antibody | anti-PARK7 antibody

PARK7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA170788	**Rabbit**	**Human, Mouse, Rat**	**Immunoprecipitation, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

PARK7; Polyclonal Antibody; PARK7 Antibody; DJ-1; DJ1; FLJ27376; FLJ34360; FLJ92274; anti-PARK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	189
Applicable Applications for anti-PARK7 antibody	IP (Immunoprecipitation), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27006 / sc-27004 / sc-32874
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cell using PARK7 antibody. Blue: DAPI for nuclear staining.

WB (Western Blot)
Western blot analysis of extracts of various cell lines, using PARK7 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PARK7 antibody	Background/Introduction: Parkinson's disease (PD) is characterized by the presence of Lewy bodies (intracellular inclusions) and by the loss of dopaminergic neurons. Research studies have shown that mutations in alpha-synuclein, Parkin, and DJ-1 are linked to PD (1). alpha-synuclein is a major component of the aggregates found in Lewy bodies. Parkin is involved in protein degradation through the ubiquitin-proteasome pathway, and investigators have shown that mutations in Parkin cause early onset of PD (1). Loss-of-function mutations in DJ-1 cause early onset of PD, but DJ-1 is associated with multiple functions: it cooperates with Ras to increase cell transformation, it positively regulates transcription of the androgen receptor, and it may function as an indicator of oxidative stress (2-5). Dopamine D2 receptor-mediated functions are greatly impaired in DJ-1 (-/-) mice, resulting in reduced long-term depression (6).

NCBI AND UNIPROT INFORMATION

NCBI GI #	183227678
NCBI GeneID	11315
NCBI Accession #	NP_001116849.1
NCBI GenBank Nucleotide #	NM_001123377.1
Molecular Weight	20kDa
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 DJ-1; Parkinson disease (autosomal recessive, early onset) 7; epididymis secretory sperm binding protein Li 67p; oncogene DJ1
UniProt Protein Name	Protein DJ-1
UniProt Gene Name	**PARK7**
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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