

Rabbit Protein DJ-1 Polyclonal Antibody | anti-PARK7 antibody

Rabbit anti-human Protein DJ-1 polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229956	Rabbit	Human, mouse, rat	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Protein DJ-1; Polyclonal Antibody; Rabbit anti-human Protein DJ-1 polyclonal Antibody; Oncogene DJ1; Parkinson disease protein 7; anti-PARK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse, rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	189
Applicable Applications for anti-PARK7 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Protein DJ-1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-27006 / sc-27004 / sc-32874
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human prostate using AAA229956 at dilution of 1:50



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human mammary gland using AAA229956 at dilution of 1:50



WB (Western Blot)

Western blotAll lanes: Protein DJ-1 antibody at 2ug/mlLane 1: EC109 whole cell lysateLane 2: 293T whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/15000 dilutionPredicted band size: 20 kDaObserved band size: 20kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PARK7 antibody	PARK7/DJ1 is a ubiquitously expressed protein involved in various cellular processes including cell proliferation, RNA-binding, and oxidative stress. The protein has been found to colocalize within a subset of pathologic tau inclusions in a diverse group of neurodegenerative disorders known as tauopathies (Rizzu et al. 2004). Defects in PARK7/DJ1 are the cause of autosomal recessive early-onset Parkinson's disease 7 (PARK7). Parkinson's disease (PD) is a complex, multifactorial disorder that typically manifests after the age of 50 years. The disease is characterized by bradykinesia, resting tremor, muscular rigidity and postural instability. The pathology involves the loss of dopaminergic neurons in the substantia nigra and the presence of Lewy bodies (intraneuronal accumulations of aggregated proteins), in surviving neurons in various areas of the brain. PARK7 is characterized by onset before 40 years and slow progression. It has also been suggested that PARK7/DJ1 is a mitogen dependent oncogene product involved in Ras related signal transduction pathways. 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.
Product Categories/Family for anti-PARK7 antibody	Apoptosis

NCBI AND UNIPROT INFORMATION

NCBI GI #	183227678
NCBI GeneID	11315
NCBI Accession #	NP_001116849.1
NCBI GenBank Nucleotide #	NM_001123377.1
UniProt Accession #	Q99497; O14805; Q6DR95; Q7LFU2; B2R4Z1
Molecular Weight	19,891 Da
NCBI Official Full Name	protein deglycase DJ-1
NCBI Official Synonym Full Names	Parkinsonism associated deglycase
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/protein-dj-1-antibody-immunohistochemistry-western-blot-elisa/229956>