

Rabbit anti-Human, mouse PARK7 Polyclonal Antibody | anti-PARK7 antibody

PARK7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229327	Rabbit	Human, mouse	Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

PARK7; Polyclonal Antibody; PARK7 Antibody; Protein deglycase DJ-11 ; Oncogene DJ1; Parkinson disease protein 7; anti-PARK7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%,Protein G purified
Form/Format	Liquid
Sequence Length	189
Applicable Applications for anti-PARK7 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Protein deglycase 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



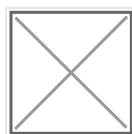
IF (Immunofluorescence)

Immunofluorescent analysis of Hela cells using AAA229327 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



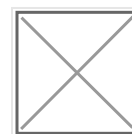
WB (Western Blot)

Western BlotPositive WB detected in: HEK293 whole cell lysateAll lanes: PARK7 antibody at 3.4ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 20 KDaObserved band size: 20 KDa



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human testis tissue using AAA229327 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human glioma cancer using AAA229327 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: PARK7 antibody at 5ug/mlLane 1: Hela whole cell lysateLane 2: 293T whole cell lysateLane 3: Jurkat whole cell lysateLane 4: SH-SY5Y whole cell lysateLane 5: Mouse brain tissueLane 6: Mouse liver tissueLane 7: Mouse heart tissueSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 20 kDaObserved band size: 20 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PARK7 antibody	Protein deglycase that repairs methylglyoxal- and glyoxal-glycated amino acids and proteins, and releases repaired proteins and lactate or glycolate, respectively. Deglycates cysteines, arginines and lysines residues in proteins, and thus reactivates these proteins by reversing glycation by glyoxals. Acts on early glycation intermediates (hemithioacetals and aminocarbinals), preventing the formation of advanced glycation endproducts (AGE) (PubMed:25416785). Plays an important role in cell protection against oxidative stress and cell death acting as oxidative stress sensor and redox-sensitive chaperone and protease; functions probably related to its primary function (PubMed:17015834, PubMed:20304780, PubMed:18711745, PubMed:12796482, PubMed:19229105, PubMed:25416785). It is involved in neuroprotective mechanisms like the stabilization of NFE2L2 and PINK1 proteins, male fertility as a positive regulator of androgen signaling pathway as well as cell growth and transformation through, for instance, the modulation of NF-kappa-B signaling pathway (PubMed:12612053, PubMed:15502874, PubMed:14749723, PubMed:17015834, PubMed:21097510, PubMed:18711745). Its involvement in protein repair could also explain other unrelated functions. Eliminates hydrogen peroxide and protects cells against hydrogen peroxide-induced cell death (PubMed:16390825). Required for correct mitochondrial morphology and function as well as for autophagy of dysfunctional mitochondria (PubMed:19229105, PubMed:16632486). Plays a role in regulating expression or stability of the mitochondrial uncoupling proteins SLC25A14 and SLC25A27 in dopaminergic neurons of the substantia nigra pars compacta and attenuates the oxidative stress induced by calcium entry into the neurons via L-type channels during pacemaking (PubMed:18711745). Regulates astrocyte inflammatory responses, may modulate lipid rafts-dependent endocytosis in astrocytes and neuronal cells (PubMed:23847046). Binds to a number of mRNAs containing multiple copies of GG or CC motifs and partially inhibits their translation but dissociates following oxidative stress (PubMed:18626009). Metal-binding protein able to bind copper as well as toxic mercury ions, enhances the cell protection mechanism against induced metal toxicity (PubMed:23792957).
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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

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/park7-antibody-immunohistochemistry-western-blot-elisa/229327>