

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

DJ-1 Antibody

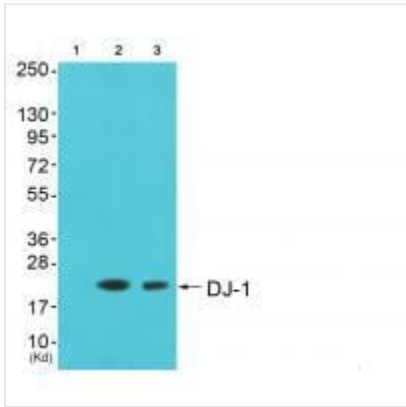
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA304570	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

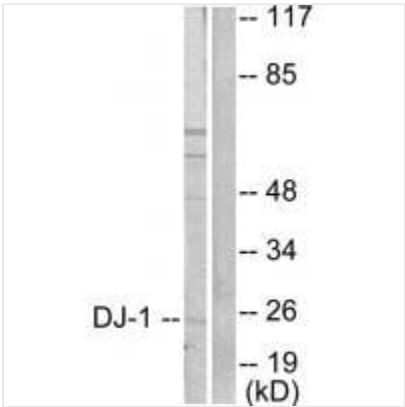
DJ-1; Polyclonal Antibody; DJ-1 Antibody; ONCOGENE DJ1; PARK7 AMYOTROPHIC LATERAL SCLEROSIS-PARKINSONISM/DEMENTIA COMPLEX 2; PARK7 GENE; anti-DJ-1 antibody

PRODUCT SPECIFICATIONS

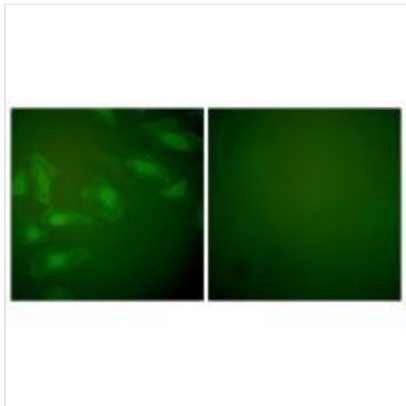
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total DJ-1 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	189
Applicable Applications for anti-DJ-1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human DJ-1.
Target Name	DJ-1
Preparation and Storage	Store at -20 degree C



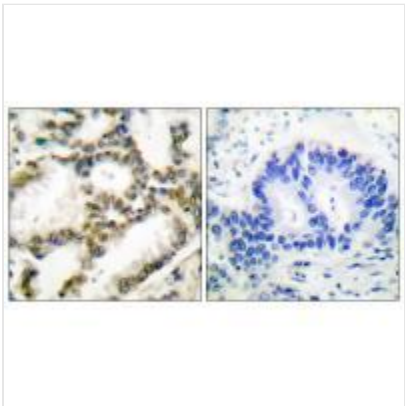
WB (Western Blot)
Western blot analysis of extracts from HuvEc cells (Lane 2) and HepG2 cells (Lane 3), using DJ-1 antibody. The lane on the left is treated with synthesized peptide.



WB (Western Blot)
Western blot analysis of extracts from HuvEc cells, using DJ-1 antibody.



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells, using DJ-1 antibody.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using DJ-1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DJ-1 antibody	Protects cells against oxidative stress and cell death. 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. Eliminates hydrogen peroxide and protects cells against hydrogen peroxide-induced cell death. May act as an atypical peroxiredoxin-like peroxidase that scavenges hydrogen peroxide. Following removal of a C-terminal peptide, displays protease activity and enhanced cytoprotective action against oxidative stress-induced apoptosis. Stabilizes NFE2L2 by preventing its association with KEAP1 and its subsequent ubiquitination. Binds to OTUD7B and inhibits its deubiquitinating activity. Enhances RELA nuclear translocation. Binds to a number of mRNAs containing multiple copies of GG or CC motifs and partially inhibits their translation but dissociates following oxidative stress. Required for correct mitochondrial morphology and function and for autophagy of dysfunctional mitochondria. Regulates astrocyte inflammatory responses. Acts as a positive regulator of androgen receptor-dependent transcription. Prevents aggregation of SNCA. Plays a role in fertilization. Has no proteolytic activity. Has cell-growth promoting activity and transforming activity. May function as a redox-sensitive chaperone. May regulate lipid rafts-dependent endocytosis in astrocytes and neuronal cells.Nobutaka Hattori, Hum. Mol. Genet., Jan 2005; 14: 71 - 84.Raymond H. Kim, PNAS, Apr 2005; 102: 5215 - 5220.Rina Bandopadhyay, Brain, Feb 2004; 127: 420 - 430.Nan Zhong, J. Biol. Chem., Jul 2006; 281: 20940 - 20948.
Product Categories/Family for anti-DJ-1 antibody	Total protein Ab

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 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/dj-1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304570>