Rabbit DJ1/Park7 Polyclonal Antibody | anti-DJ1/Park7 antibody

DJ1/Park7 Polyclonal Rabbit Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA76615	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Western Blot, Immunocytochemistry**

PRODUCT SYNONYMS

DJ1/Park7; Polyclonal Antibody; DJ1/Park7 Polyclonal Rabbit Antibody; anti-DJ1/Park7 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Form/Format	Liquid; Whole Serum
Sequence Length	189
Applicable Applications for anti-DJ1/Park7 antibody	IF (Immunofluorescence), WB (Western Blot), ICC (Immunocytochemistry)
Immunogen	Full length recombinant human DJ-1 expressed in and purified from E Coli

IMAGES

WB (Western Blot)
Western blot analysis analysis of different tissue and cell lysates using rabbit pAb against DJ1/Park7, RA22132, dilution 1:2,000 in green. [1] protein standard, [2] rat brain, [3] mouse brain, [4] rat embryonic neuron-glial cells, [5] NIH-3T3, [6] HEK293, and [7] HeLa cells.

IF (Immunofluorescence)
Immunofluorescent analysis analysis of SH-SY5Y cells stained with rabbit pAb against DJ1/Park7, RA22132, dilution 1:1,000 in red, and costained with mouse actin, dilution 1:200 in green. The blue is Hoechst staining of nuclear DNA.

ADDITIONAL INFORMATION

Related Product Information for anti-DJ1/Park7 antibody	DJ1, also known as PARK7, is a soluble protein which belongs to the ThiJ/Pfp1/DJ1 superfamily. DJ1 was originally cloned as an oncogene that cooperatively transforms cells together with H-ras (1). Mutations in the DJ1 gene are associated with rare forms of autosomal recessive early-onset Parkinson's disease (2). DJ-1 is a multifunctional protein that participates in transcriptional regulation, anti oxidative stress reaction, and chaperone, protease, and mitochondrial regulation. DJ1 may also function as an sensor for oxidative stress, and it protects neurons against oxidative stress and cell death (3-5). DJ-1 is expressed in almost all cells and tissues. DJ-1 is located in the cytoplasm, nucleus, and mitochondria in cells, and secreted DJ-1 has been observed in various cultured cells and tissues. Augmenting DJ1 activity might provide novel approaches to treating chronic neurodegenerative illnesses such as Parkinson's disease and acute damage such as stroke (6). The HGNC name for this protein is PARK7. The antibody was generated against full length recombinant human DJ1 protein expressed in and purified from E Coli. This antibody binds to the human, rat and mouse DJ1 proteins. The rodent protein is about 91% identical to the human protein.

NCBI AND UNIPROT INFORMATION

NCBI GI #	183227678
NCBI GeneID	11315
NCBI Accession #	NP_001116849.1
NCBI GenBank Nucleotide #	NM_001123377.1
UniProt Accession #	Q99497
NCBI Official Full Name	protein/nucleic acid deglycase DJ-1
NCBI Official Synonym Full Names	Parkinsonism associated deglycase
NCBI Official Symbol	PARK7
NCBI Official Synonym Symbols	DJ1; DJ-1; GATD2; HEL-S-67p
NCBI Protein Information	protein/nucleic acid deglycase DJ-1
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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Online datasheet: https://stage.aaabiotech.com/polyclonal/dj1-park7-antibody-immunofluorescence-western-blot-immunocytochemistry-elisa/76615