



Anti-PARK7/DJ-1 Antibody

Alternative Names: DJ-1, DJ1, GATD2, HEL-S-67p, Parkinsonism associated deglycase

Catalogue Number: AB18-10077-50ug

Size: 50 µg

Background Information

PARK7 consists of 189 amino acids in humans with three cysteine residues at 46, 53 and 106. It acts as an antioxidant, transcriptional co-activator, and molecular chaperone with oxidation and nitrosylation of the cysteine residues determining its function. PARK7 acts as a neuroprotective protein via modulation of multiple cellular survival signaling pathways

PARK7 is a ubiquitous protein being expressed in most cells and tissues. In the brain it is expressed in both neurons and glial cells. The expression level of PARK7 is increased under oxidative stress conditions both in PD and other neurodegenerative diseases. Defects in the PARK7 gene are the cause of autosomal recessive early-onset Parkinson disease 7.

Product Information

Antibody Type:	Polyclonal	Host:	Rabbit
Isotype:	IgG	Species Reactivity:	Human, Mouse, Rat
Immunogen:	Full length recombinant PARK7		
Format:	50 µg in 50 µl PBS containing 0.02% sodium azide.		
Storage Conditions:	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
Applications:	WB IF WB 1:500-2000. IF 1:50-200.		

Additional Information

Subcellular location:	Cell membrane, Cytoplasm, Lipid-anchor, Membrane raft, Mitochondrion, Nucleus	MW:	20kDa (Intended as a general guide and does not allow for all isoforms and species variations)
Gene ID	11315	Uniprot ID:	Q99497