



## Anti-PARK7/DJ-1 Antibody

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

**Catalogue Number:** AB18-10077-100ug

**Size:** 100 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

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	Full length recombinant PARK7		
<b>Format:</b>	100 µg in 100 µl PBS containing 0.02% sodium azide.		
<b>Storage Conditions:</b>	6 months: 4°C. Long-term storage: -20°C. Avoid multiple freeze and thaw cycles.		
<b>Applications:</b>	WB IF WB 1:500-2000. IF 1:50-200.		

### Additional Information

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