

Product datasheet for **TA349075**

Parkin (PARK2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IF, IHC, WB
Recommended Dilution:	PARK2 antibody can be used for detection of PARK2 by Western blot at 1 - 2 µg/ml. Antibody can also be used for Immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	PARK2 antibody was raised against a 17 amino acid peptide near the amino terminus of human PARK2
Specificity:	PARK2 antibody is human specific.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	PARK2 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 51 kDa; Observed: 55 kDa
Gene Name:	parkin RBR E3 ubiquitin protein ligase
Database Link:	NP_004553 Entrez Gene 5071 Human O60260



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Background:

Parkinson's disease (PD) is a neurodegenerative disease whose symptoms include tremors, rigidity, bradykinesia, and postural instability (1). Mutations in the PARK2 gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease (2). The PARK2 protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation (3). Recent studies have suggested that PARK2 expression reduces the mitochondrial accumulation of the apoptosis protein Bax under basal conditions and directly ubiquitinates Bax, thereby promoting cell survival (4).

Synonyms:

DSI; ERBA2L; GIT; P4Hbeta; PDI; PDIA1; PHDB; PO4DB; PO4HB; PROHB