

Rabbit anti-Human PARK2 Polyclonal Antibody | anti-PARK2 antibody

PARK2 Antibody

CATALOG # AAA40767	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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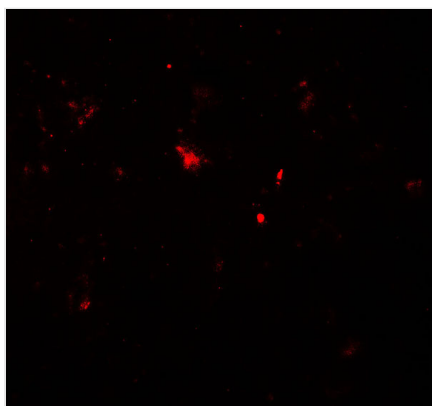
PRODUCT SYNONYMS

PARK2; Polyclonal Antibody; PARK2 Antibody; PDJ; PRKN; AR-JP; LPRS2; E3 ubiquitin-protein ligase parkin; Parkinson juvenile disease protein 2; Parkinson disease protein 2; parkin RBR E3 ubiquitin protein ligase; anti-PARK2 antibody

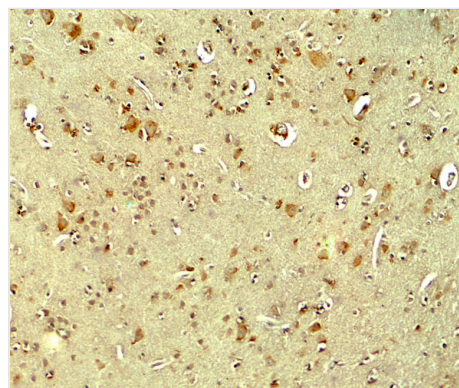
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	PARK2 antibody is human specific.
Purity/Purification	PARK2 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	465
Applicable Applications for anti-PARK2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PARK2 antibody was raised against a 17 amino acid peptide near the amino terminus of human PARK2
Buffer	PARK2 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	PARK2 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

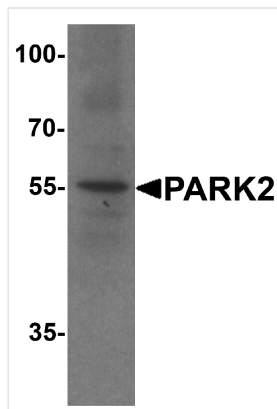
IMAGES


IF (Immunofluorescence)

Immunofluorescence of PARK2 in human brain tissue with PARK2 antibody at 20 &#956;g/ml.


IHC (Immunohistochemistry)

Immunohistochemistry of PARK2 in human brain tissue with PARK2 antibody at 5 &#956;g/ml.



WB (Western Blot)

Western blot analysis of PARK2 in human cerebellum tissue lysate with PARK2 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PARK2 antibody

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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	169790969
NCBI GeneID	5071
NCBI Accession #	NP_004553
NCBI GenBank Nucleotide #	NM_004562.2
UniProt Accession #	O60260; Q5TFV8; Q5VXX4; Q6Q2I6; Q8NI41; Q8NI43; Q8NI44; Q8WW07; A3FG77; A8K975; D3JZW7; D3K2X0
Molecular Weight	Predicted: 51 kDa Observed: 55 kDa
NCBI Official Full Name	E3 ubiquitin-protein ligase parkin isoform 1
NCBI Official Synonym Full Names	parkin RBR E3 ubiquitin protein ligase
NCBI Official Symbol	PARK2
NCBI Official Synonym Symbols	PDJ; PRKN; AR-JP; LPRS2
NCBI Protein Information	E3 ubiquitin-protein ligase parkin; parkinson juvenile disease protein 2; parkinson protein 2, E3 ubiquitin protein ligase (parkin); Parkinson disease (autosomal recessive, juvenile) 2, parkin
UniProt Protein Name	E3 ubiquitin-protein ligase parkin
UniProt Gene Name	PARK2
UniProt Synonym Gene Names	PRKN; Parkinson disease protein 2
UniProt Entry Name	PRKN2_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.

