



PARK2 rabbit pAb

Cat No.:ES6479

For research use only

Overview

Product Name	PARK2 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Parkin. AA range:1-50
Specificity	PARK2 Polyclonal Antibody detects endogenous levels of PARK2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	E3 ubiquitin-protein ligase parkin
Gene Name	PARK2
Cellular localization	Cytoplasm, cytosol . Nucleus . Endoplasmic reticulum . Mitochondrion . Mitochondrion outer membrane . Cell projection, neuron projection . Cell junction, synapse, postsynaptic density . Cell junction, synapse, presynapse . Mainly localizes in the cytosol
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	52kD
Human Gene ID	5071
Human Swiss-Prot Number	O60260
Alternative Names	PARK2; PRKN; E3 ubiquitin-protein ligase parkin; Parkinson juvenile disease protein 2; Parkinson



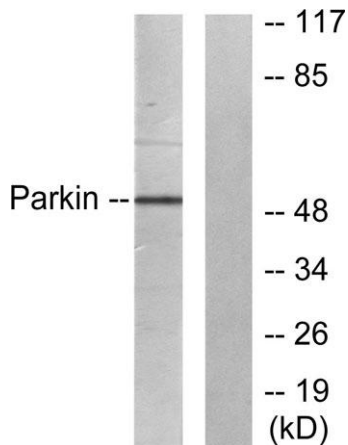
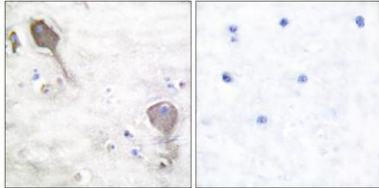


Background

disease protein 2

The precise function of this gene is unknown; however, the encoded protein is a component of a multiprotein E3 ubiquitin ligase complex that mediates the targeting of substrate proteins for proteasomal degradation. Mutations in this gene are known to cause Parkinson disease and autosomal recessive juvenile Parkinson disease. Alternative splicing of this gene produces multiple transcript variants encoding distinct isoforms. Additional splice variants of this gene have been described but currently lack transcript support. [provided by RefSeq, Jul 2008],

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Parkin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, using Parkin Antibody. The lane on the right is blocked with the synthesized peptide.

