

Parkin rabbit pAb

Cat No.:ES3151

For research use only

Overview

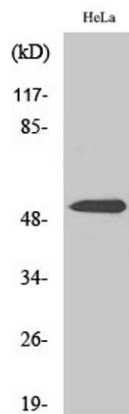
Product Name	Parkin rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Chicken
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Parkin. AA range:101-150
Specificity	Parkin Polyclonal Antibody detects endogenous levels of Parkin 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	55kD
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

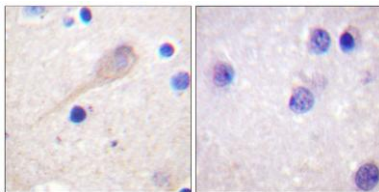
disease protein 2

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],



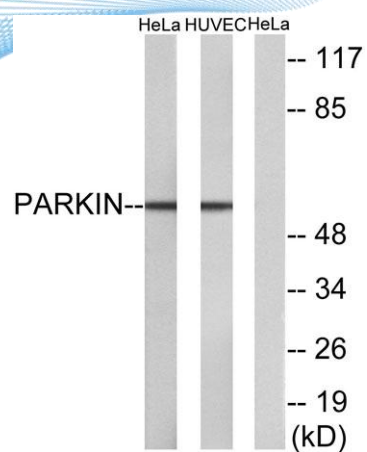
Western Blot analysis of various cells using Parkin Polyclonal Antibody

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





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



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