

# Product Datasheet

## Parkin Antibody R-114-100

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**R-114-100****Parkin Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Reconstitute with 0.1 ml sterilized water. Centrifuge to remove any insoluble material.
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	5071
<b>Gene Symbol</b>	PRKN
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	This antibody is know to react with rat and human Parkin.
<b>Immunogen</b>	A synthetic peptide (NSLIKELHHFRILGEE Q) as part of human Parkin conjugated to KLH

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:2000, Immunohistochemistry 1:1000, Immunohistochemistry-Paraffin 1:1000
<b>Application Notes</b>	For IHC: Nice staining is achieved in neuronal and cytoplasmic granules sections treated with citrate buffer for antigen retrieval. Few inclusions are stained but these were not positively identified as Lewy bodies.

## Publications

Song YJ, Halliday GM, Holton JL et al. Degeneration in different parkinsonian syndromes relates to astrocyte type and astrocyte protein expression. *J Neuropathol Exp Neurol.* 68(10):1073-83. 2009-10-01 [PMID: 19918119]

Kumru, H et al. Rapid eye movement sleep behavior disorder in parkinsonism with parkin mutations. *Ann Neurol.* 56(4):599-603. 2004-10-01 [PMID: 15455441]

Pigullo, S et al. Mutational analysis of parkin gene by denaturing high-performance liquid chromatography (DHPLC) in essential tremor. *Parkinsonism Relat Disord.* 10(6):357-62. 2004-08-01 [PMID: 15261877]

Wang, F et al. Parkin gene alterations in hepatocellular carcinoma. *Genes Chromosomes Cancer.* 40(2):85-96. 2004-06-01 [PMID: 15101042]

West, AB et al. N-myc regulates parkin expression. *J Biol Chem.* 279(28):28896-902. 2004-07-09 [PMID: 15078880]

Kitada et al. *Nature.* 392: 605-608. 1998-01-01 [PMID: 9560156]

Yao, D et al. Nitrosative stress linked to sporadic Parkinson's disease: S-nitrosylation of parkin regulates its E3 ubiquitin ligase activity. *Proc Natl Acad Sci U S A.* 101(29):10810-4. 2004-07-20 [PMID: 15252205]

Hottori et al. *Biochem Biophys Res Commun.* 249 (3): 754-758. 1998-01-01 [PMID: 9731209]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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