

LRRK2 polyclonal antibody

Catalog # PAB14344

Size 100 uL

Specification

Product Description	Sheep polyclonal antibody raised against synthetic peptide of LRRK2.
Immunogen	A synthetic peptide (conjugated with blue carrier protein) corresponding to amino acids 946-962 of human LRRK2.
Sequence	LKRKRKILSSDDSLRSS
Host	Sheep
Reactivity	Human
Specificity	Specificity for LRRK2 has been confirmed by IHC.
Form	Lyophilized
Recommend Usage	Immunohistochemistry (1:500-1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS
Storage Instruction	Store at 4°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

Gene Info — LRRK2

Entrez GeneID	120892
Gene Name	LRRK2

Gene Alias	AURA17, DARDARIN, PARK8, RIPK7, ROCO2
Gene Description	leucine-rich repeat kinase 2
Omim ID	607060 609007
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the leucine-rich repeat kinase family and encodes a protein with an ankryn repeat region, a leucine-rich repeat (LRR) domain, a kinase domain, a DFG-like motif, a RAS domain, a GTPase domain, a MLK-like domain, and a WD40 domain. The protein is present largely in the cytoplasm but also associates with the mitochondrial outer membrane. Mutations in this gene have been associated with Parkinson disease-8. [provided by RefSeq]
Other Designations	Parkinson disease (autosomal dominant) 8 augmented in rheumatoid arthritis 17

Publication Reference

- [Mutations in LRRK2 cause autosomal-dominant parkinsonism with pleomorphic pathology.](#)

Zimprich A, Biskup S, Leitner P, Lichtner P, Farrer M, Lincoln S, Kachergus J, Hulihan M, Uitti RJ, Calne DB, Stoessl AJ, Pfeiffer RF, Patenge N, Carbajal IC, Vieregge P, Asmus F, Muller-Myhsok B, Dickson DW, Meitinger T, Strom TM, Wszolek ZK, Gasser T.

Neuron 2004 Nov; 44(4):601.

- [Complete sequencing and characterization of 21,243 full-length human cDNAs.](#)

Ota T, Suzuki Y, Nishikawa T, Otsuki T, Sugiyama T, Irie R, Wakamatsu A, Hayashi K, Sato H, Nagai K, Kimura K, Makita H, Sekine M, Obayashi M, Nishi T, Shibahara T, Tanaka T, Ishii S, Yamamoto J, Saito K, Kawai Y, Isono Y, Nakamura Y, Nagahari K, Murakami K, Yasuda T, Iwayanagi T, Wagatsuma M, Shiratori A, Sudo H, Hosoiri T, Kaku Y, Kodaira H, Kondo H, Sugawara M, Takahashi M, Kanda K, Yokoi T, Furuya T, Kikkawa E, Omura Y, Abe K, Kamihara K, Katsuta N, Sato K, Tanikawa M, Yamazaki M, Ninomiya K

Nature Genetics 2003 Dec; 36(1):40.

Disease

- [Alzheimer disease](#)
- [Aphasia](#)
- [Chromosome Aberrations](#)
- [Cognition](#)
- [Cognition Disorders](#)

- [Crohn Disease](#)
- [Dementia](#)
- [Disease Progression](#)
- [Dominance](#)
- [Dyskinesias](#)
- [Dystonic Disorders](#)
- [Essential tremor](#)
- [Functional Laterality](#)
- [Gaucher disease](#)
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- [Mental Status Schedule](#)
- [Mood Disorders](#)
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- [Movement Disorders](#)
- [Multiple System Atrophy](#)
- [Muscle Rigidity](#)
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- [Neuropsychological Tests](#)
- [Olfaction Disorders](#)
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- [Parkinsonian Disorders](#)
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