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| Catalog Number: | NB300-268SS |
| Background: | LRRK2 is a 286 kDa protein belonging to the ROCO family. It is a multifunction protein involved in Parkinson's disease. |
| Alternate Names: | anti-LRRK-2 antibody; anti-LRRK 2 antibody; anti-PARK8 antibody; anti-ROCO2 antibody; anti-Dardarin antibody; anti-BC 300-268 antibody |
| Immunogen: | A C-terminal synthetic peptide made to the human LRRK2 protein sequence (between residues 2500-2527). |
| Specificity: | NB 300-268 reacts with LRRK2. |
| Localization: | Mitochondrial outer membrane |
| Species Reactivity: | Human and bovine. Negative in mouse. Other species have not been tested. There is 87% homology of the immunogen with the mouse and rat LRRK2 proteins. |
| Uses: | The theoretical molecular weight of LRRK2 is ~286 kDa. We have also seen other bands with some lysates, but these bands have been blocked by the control peptide, suggesting that these other bands are degradation products. Optimal working dilutions should be determined by the investigator. Not tested in any other application. * Other applications have not been tested. |
| Dilutions: | Suggested working dilutions * immunofluorescence 1:2,000 , Western Blot 1:1,000~1:10,000 * Investigator should determine optimal working dilutions. |
| Packaging: | 0.025 ml Affinity purified Rabbit antisera. |
| Concentration: | 1 mg/ml |
| Buffer: | Tris-citrate/phosphate [pH 7-8] |
| Preservative: | 0.1% Sodium Azide |
| Storage: | Store at 4C. Do not freeze. |
| Notes: | Blocking peptide is available or can be made for this item. Lead time is 2 days to 4 weeks. Price is \$ 150/0.05 ml (or 50 ug). Please enquire availability (cat# NB 300-268PEP). |
| Novus Specific References: | 1. Miklossy, J., et al. LRRK2 Expression in Normal and Pathologic Human Brain and in Human Cell Lines. <i>J. Neuropathol. Exp. Neurol.</i> 65: 953-963 (2006) 2. Melrose, HL, et al. A comparative analysis of leucine-rich repeat kinase 2 (Lrrk2) expression in mouse brain and Lewy Body disease. <i>Neurosci.</i> 147: 1047-1058 (2007) [Western Blot, Immunohistochemistry] |
| General References: | 1. Zimprich, A., et al. Mutations in LRRK2 cause autosomal-dominant parkinsonism with pleomorphic pathology. <i>Neuron.</i> 44: 601-607, 2004. (Human) Paisan-Ruiz, C., et al. Cloning of the gene containing mutations that cause |



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PARK8-linked parkinson's disease. Neuron. 44: 595-600, 2004.

Gene Id: 120892

Reference Sequence: Q5S007

Image(s)