

Rabbit Polyclonal anti-LRRK2, Sample Size

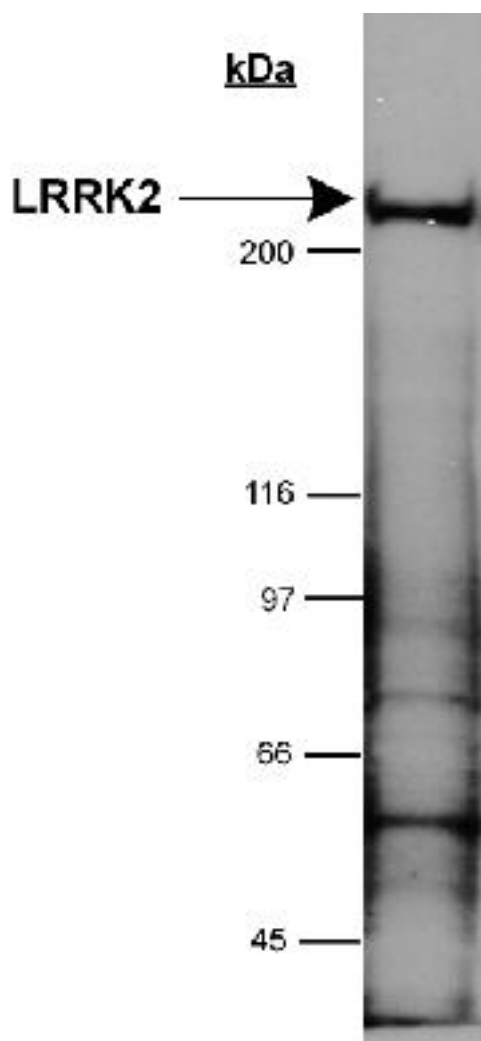
Catalog Number:	NB300-268SS
Background:	LRRK2 is a 286 kDa protein belonging to the ROCO family. It is a multifunction protein involved in Parkinson's disease.
Alternate Names:	anti-LRRK-2 antibody; anti-LRRK 2 antibody; anti-PARK8 antibody; anti-ROCO2 antibody; anti-Dardarin antibody; anti-BC 300-268 antibody
Host:	Rabbit
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).
Limitations:	This product is for research use only and is not approved for use in humans or in clinical diagnosis. This product is guaranteed for 6 months from date of receipt.
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. *Neuron*. 44: 601-607, 2004. (Human)
- Paisan-Ruiz, C., et al. Cloning of the gene containing mutations that cause PARK8-linked parkinson's disease. *Neuron*. 44: 595-600, 2004.

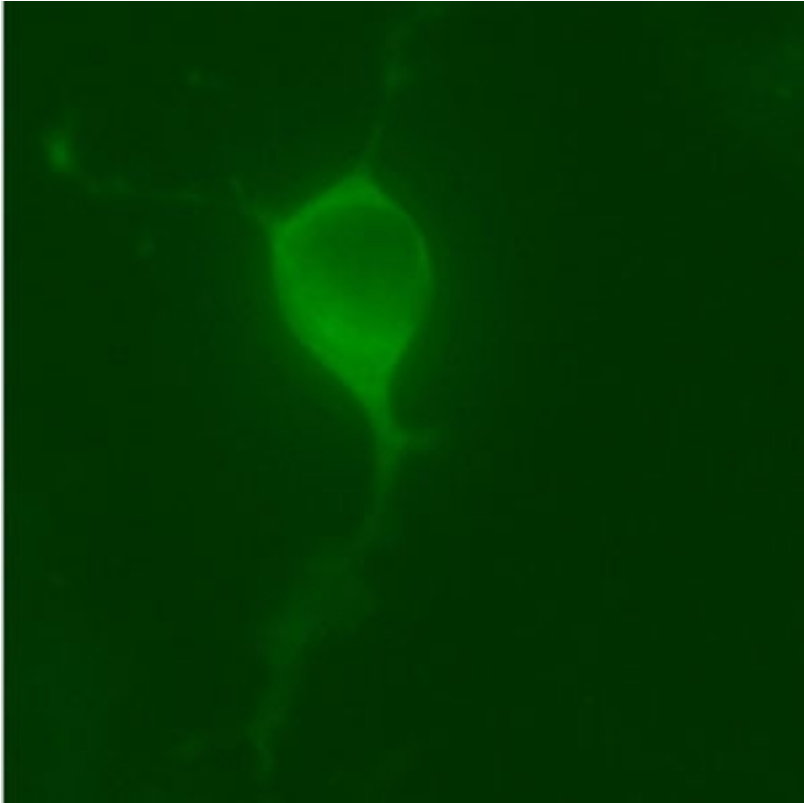
Image(s)



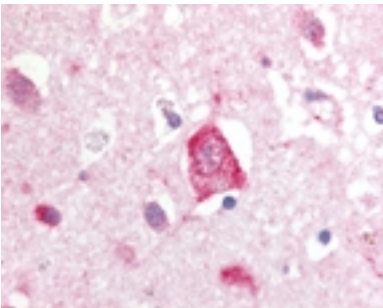
Detection of LRRK2 in HeLa whole cell lysate (RIPA) using NB 300-268. 1:5,000 dilution, 1 minute ECL detection.



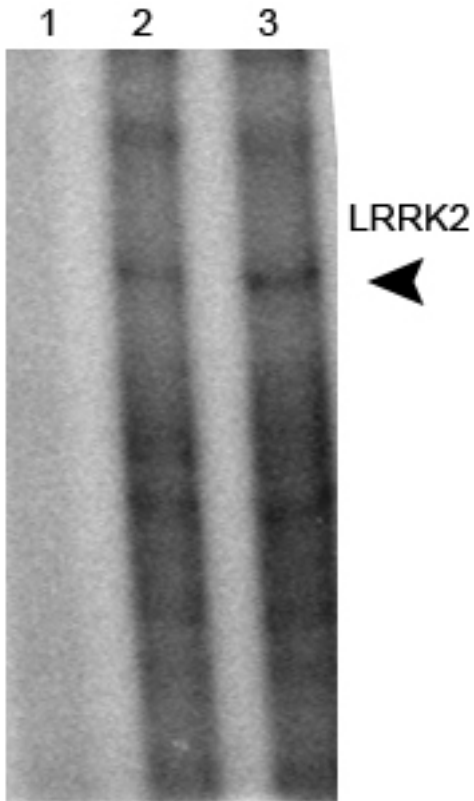
Detection of LRRK2 in 50 ug of crude bovine brain membrane using NB 300-268.



Mouse CAD cells transfected with Human wild-type LRRK-2 (1:2,000)



Brain, Putamen, Neurons and Glia 60x



Immunoprecipitation of LRRK2 followed by an autophosphorylation assay using NB300-268. Lane 1 Rabbit IgG, Lanes 2 and 3 NB300-268.