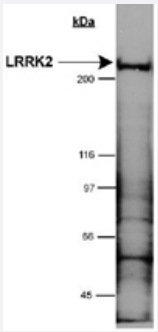
LRRK2 polyclonal antibody

Catalog # PAB12394 Size 100 uL

Applications

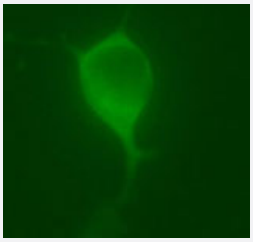
Western Blot (Tissue lysate)

Western blot analysis of LRRK2 in 50 ug of crude bovine brain membrane using LRRK2 polyclonal antibody (Cat # PAB12394).



Western Blot (Cell lysate)

Western blot analysis of LRRK2 in HeLa whole cell lysate (RIPA) using LRRK2 polyclonal antibody (Cat # PAB12394) at 1 : 5,000 dilution.



Immunofluorescence

Immunofluorescent CAD cells transfected with human wild-type LRRK2 (1 : 2000) using LRRK2 polyclonal antibody (Cat # PAB12394).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LRRK2.
Immunogen	A synthetic peptide corresponding to amino acids 2500-2527 of human LRRK2.

Host	Rabbit
Reactivity	Bovine, Human, Mouse
Specificity	This antibody reacts with LRRK2.
Form	Liquid
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09% sodium azide)
Storage Instruction	Store at 4°C. Do not freeze.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

  Western blot analysis of LRRK2 in 50 ug of crude bovine brain membrane using LRRK2 polyclonal antibody (Cat # PAB12394).

- Western Blot (Cell lysate)

  Western blot analysis of LRRK2 in HeLa whole cell lysate (RIPA) using LRRK2 polyclonal antibody (Cat # PAB12394) at 1 : 5,000 dilution.

- Immunohistochemistry

- Immunofluorescence

  Immunofluorescent CAD cells transfected with human wild-type LRRK2 (1 : 2000) using LRRK2 polyclonal antibody (Cat # PAB12394).

Gene Info — LRRK2

Entrez GeneID	120892
Protein Accession#	Q5S007
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 ank ryin 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 larg ely 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

- A comparative analysis of leucine-rich repeat kinase 2 (Lrrk2) expression in mouse brain and Lewy body disease.

  Melrose HL, Kent CB, Taylor JP, Dachsel JC, Hinkle KM, Lincoln SJ, Mok SS, Culvenor JG, Masters CL, Tyndall GM, Bass DI, Ahmed Z, Andorfer CA, Ross OA, Wszolek ZK, Delldonne A, Dickson DW, Farrer MJ.

  Neuroscience 2007 Jul; 147(4):1047.

  Application: IF, IHC-P, WB, Human, Mouse, Brain from Human and Mouse

- LRRK2 expression in normal and pathologic human brain and in human cell lines.

  Miklossy J, Arai T, Guo JP, Klegeris A, Yu S, McGeer EG, McGeer PL.

  Journal of Neuropathology and Experimental Neurology 2006 Oct; 65(10):953.

  Application: IF, IHC, WB, Human, Human brains

- Cloning of the gene containing mutations that cause PARK8-linked Parkinson's disease.

  Paisan-Ruiz C, Jain S, Evans EW, Gilks WP, Simon J, van der Brug M, Lopez de Munain A, Aparicio S, Gil AM, Khan N, Johnson J, Martinez JR, Nicholl D, Carrera IM, Pena AS, de Silva R, Lees A, Marti-Masso JF, Perez-Tur J, Wood NW, Singleton AB.

  Neuron 2004 Nov; 44(4):595.

- 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.

Disease

- Alzheimer disease
- Aphasia
- Chromosome Aberrations
- Cognition
- Cognition Disorders
- Crohn Disease
- Dementia
- Disease Progression
- Dominance
- Dyskinesias
- Dystonic Disorders
- Essential tremor
- Functional Laterality
- Gaucher disease
- Genetic Predisposition to Disease
- Heredodegenerative Disorders
- Huntington disease
- Inflammatory Bowel Diseases
- Leprosy
- Malignant melanoma
- Melanoma
- Mental Status Schedule
- Mood Disorders
- Motor Skills Disorders
- Movement Disorders
- Multiple System Atrophy

- Muscle Rigidity
- Neurodegenerative Diseases
- Neuropsychological Tests
- Olfaction Disorders
- Parkinson disease
- Parkinsonian Disorders
- Postmortem Changes
- Recurrence
- Spinocerebellar Degenerations
- Supranuclear Palsy
- Tobacco Use Disorder
- Tremor