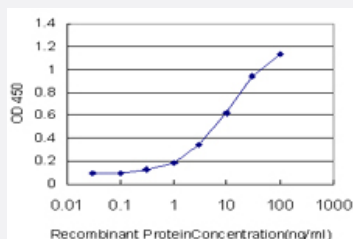


LRRK2 monoclonal antibody (M01), clone 3B2

Catalog # H00120892-M01

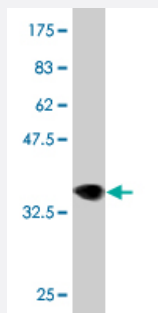
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LRRK2 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant LRRK2.
Immunogen	LRRK2 (AAV63975, 2161 a.a. ~ 2260 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	NSRNASMWLGC GHTDRGQLSFLDLNTEGYTSEEVADSRILCLALVHLPVEKESWVSGTQSGTLLV INTEDGKKRHTLEKMTDSVTCLYCNSFSKQSKQK
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (81); Rat (81)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LRRK2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LRRK2

Entrez GeneID	120892
GeneBank Accession#	AY792511
Protein Accession#	AAV63975
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 ankryin 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

- [LRRK2 regulates autophagic activity and localizes to specific membrane microdomains in a novel human genomic reporter cellular model.](#)

Alegre-Abarrategui J, Christian H, Lufino MM, Mutihac R, Venda LL, Ansorge O, Wade-Martins R.

Human Molecular Genetics 2009 Nov; 18(21):4022.

Application: WB-Tr, Human, Human HEK 293 cells

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](#)
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- [Multiple System Atrophy](#)
- [Muscle Rigidity](#)
- [Neurodegenerative Diseases](#)
- [Neuropsychological Tests](#)
- [Olfaction Disorders](#)
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- [Recurrence](#)
- [Spinocerebellar Degenerations](#)
- [Supranuclear Palsy](#)
- [Tobacco Use Disorder](#)
- [Tremor](#)