

Datasheet for 200-303-W59**LRRK2/Dardarin Antibody Peroxidase****Overview**

Description:	Anti-LRRK2/Dardarin (MOUSE) Monoclonal Antibody Peroxidase Conjugated - 200-303-W59
Item No.:	200-303-W59
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Rat
Host Species:	Mouse

Product Details

Background:	LRRK2 is a large protein with multiple domains including several ankyrin, leucine-rich, and WD40 repeats, a Ras-like small GTPase family domain named Roc, and a kinase domain that is closely related to the RIP kinase domain. LRRK2 gene is expressed in brain as well as in other tissues such as lung, liver and heart. LRRK2 might be central to the pathogenesis of several major neurodegenerative diseases associated with parkinsonism. Several dominantly inherited missense mutations in the gene encoding LRRK2 have been identified in several families that exhibit a broad spectrum of neuropathological features. Anti-LRRK2 is ideal for researchers interested in Neuroscience, specifically parkinsonism, as well as pathways related to the Electron Transport Chain and Wnt Signaling.
Synonyms:	Leucine-rich repeat kinase 2, RIP7, PARK8, Dardarin, ROCO 2, RIPK7, Leucine-rich repeat serine/threonine-protein kinase 2, augmented in rheumatoid arthritis 30
Host Species:	Mouse
Conjugate:	Peroxidase (HRP)
Clonality:	Monoclonal
Clone ID:	S231B-34
Format:	IgG2a

Target Details

Gene Name:	LRRK2
Reactivity:	Human, Rat

Immunogen Type:	Recombinant Protein
Immunogen:	Anti-LRRK2/Dardarin Antibody was produced by repeated immunization of mice with a fusion protein containing amino acids 841-960 of human LRRK2.
Purity/Specificity:	Anti-LRRK2/Dardarin Antibody was purified from concentrated tissue culture supernate by Protein G chromatography. BLAST analysis suggests 81% similarity to mouse, 80% similarity to rat, and <30% identical to LRRK1.
Relevant Links:	• UniProtKB - Q5S007 • GeneID - 120892

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-LRRK2/Dardarin HRP Conjugated Antibody is tested for Western Blots, Immunocytochemistry, and Immunohistochemistry. Expect a band approximately >200 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:1,000
IHC:	User Optimized
WB:	1:100

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Conjugated antibodies should be stored according to the product label. Product stored in 73.64mM Carbonate, 54.55mM Ethanolamine, 45.45mM Cyanoborohydride, 18.18mM Sodium Hydroxide and 0.23mM Citrate in dH2O.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

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