Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 200-308-W59

LRRK2/Dardarin Antibody Phycoerythrin

Overview

Description:	Anti-LRRK2/Dardarin (MOUSE) Monoclonal Antibody Phycoerythrin Conjugated - 200-308-W59
Item No.:	200-308-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 33
Host Species:	Mouse
Conjugate:	R-Phycoerythrin (RPE)
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 R-PE 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
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.1% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. Dilute only prior to immediate use. This product is stable at 4° C as an undiluted liquid. Use subdued lighting during handling and incubation of cells prior to analysis. Store reagent in the dark. DO NOT FREEZE.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.