10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

LRRK2/Dardarin Antibody
LRRK2/Dardarin Antibody, Clone S138-6
Catalog # ASM10280

Specification

LRRK2/Dardarin Antibody - Product Information

Application	**WB, ICC**
Primary Accession	Q5S007
Other Accession	NP_940980
Host	**Mouse**
Isotype	**IgG1**
Reactivity	**Human, Mouse, Rat**
Clonality	**Monoclonal**

Description
Mouse Anti-Human LRRK2/Dardarin Monoclonal IgG1

Target/Specificity
Detects >200kDa.

Other Names
Leucine-rich repeat kinase 2 Antibody, RIP7 Antibody, PARK8 Antibody, Dardarin Antibody, ROCO 2 Antibody, RIPK7 Antibody, Leucine-rich repeat serine/threonine-protein kinase 2 Antibody, augmented in rheumatoid arthritis 17 Antibody

Immunogen
Fusion protein, amino acids 1-500 (N-terminus) of human LRRK2. 83% identical in mouse and rat. No significant identity with LRRK1.

Purification
Protein G Purified

Storage	**-20ºC**

Storage Buffer
PBS pH 7.4, 50% glycerol, 0.1% sodium azide

Shipping Temperature	**Blue Ice or 4ºC**

Certificate of Analysis
1 µg/ml of SMC-446 was sufficient for detection of LRRK2/Dardarin in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Cellular Localization
Cytoplasm | Membrane | Mitochondrion | Golgi Apparatus | Cell Projection | Axon | Dendrite | Endoplasmic Reticulum | Cytoplasmic Vesicle | Endosome | Lysosome

LRRK2/Dardarin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot

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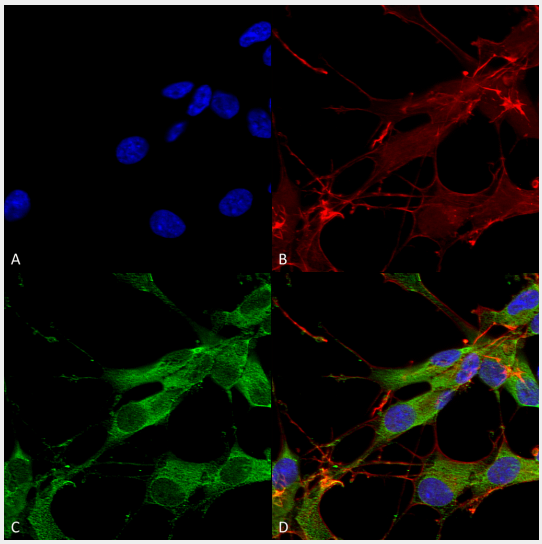
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

LRRK2/Dardarin Antibody - Images



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRRK2/Dardarin Monoclonal Antibody, Clone N138/6 (ASM10280). Tissue: Neuroblastoma cells (SH-SY5Y). Species: Human. Fixation: 4% PFA for 15 min. Primary Antibody: Mouse Anti-LRRK2/Dardarin Monoclonal Antibody (ASM10280) at 1:100 for overnight at 4°C with slow rocking. Secondary Antibody: AlexaFluor 488 at 1:1000 for 1 hour at RT. Counterstain: Phalloidin-iFluor 647 (red) F-Actin stain; Hoechst (blue) nuclear stain at 1:800, 1.6mM for 20 min at RT. (A) Hoechst (blue) nuclear stain. (B) Phalloidin-iFluor 647 (red) F-Actin stain. (C) LRRK2/Dardarin Antibody (D) Composite.

LRRK2/Dardarin Antibody - 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.