

LRRK2/Dardarin Antibody
LRRK2/Dardarin Antibody, Clone S231B-34
Catalog # ASM10279

Specification

LRRK2/Dardarin Antibody - Product Information

Application	ICC/IF, WB
Primary Accession	Q5S007
Other Accession	NP_940980
Host	Mouse
Isotype	IgG2a
Reactivity	Human, Rat
Clonality	Monoclonal

Description

Mouse Anti-Human LRRK2/Dardarin
Monoclonal IgG2a

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 841-960 of human LRRK2. 81% identical in mouse, 80% identical in rat. <30% identity with LRRK1.

Purification

Protein G Purified

Storage **-20°C**

Storage Buffer

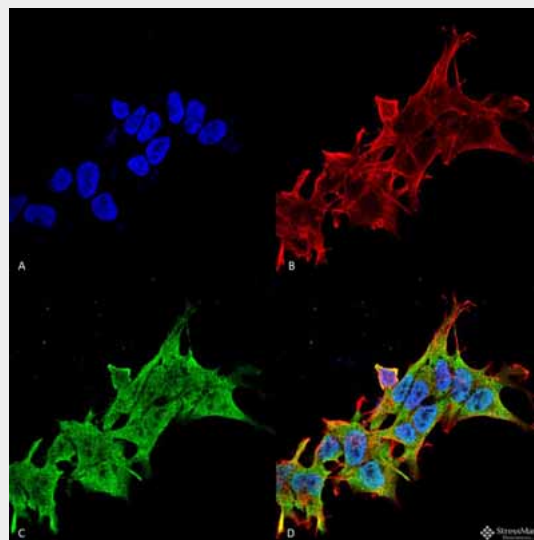
PBS pH 7.4, 50% glycerol, 0.1% sodium azide

Shipping **Blue Ice or 4°C**
Temperature

Certificate of Analysis

10 µg/ml of SMC-445 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



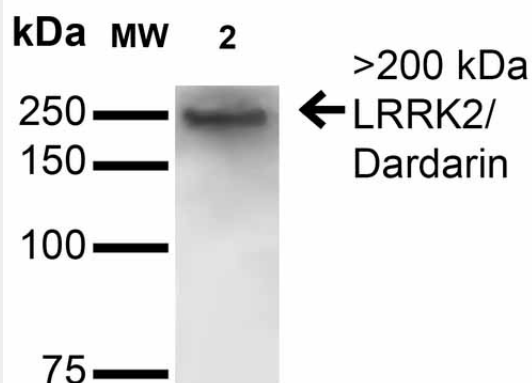
Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRRK2/Dardarin Monoclonal Antibody, Clone S231B-34 (ASM10279). Tissue: Neuroblastoma cell line (SK-N-BE). Species: Human. Fixation: 4% Formaldehyde for 15 min at RT. Primary Antibody: Mouse Anti-LRRK2/Dardarin Monoclonal Antibody (ASM10279) at 1:100 for 60 min at RT. Secondary Antibody: Goat Anti-Mouse ATTO 488 at 1:100 for 60 min at RT. Counterstain: Phalloidin Texas Red F-Actin stain; DAPI (blue) nuclear stain at 1:1000, 1:5000 for 60min RT, 5min RT. Localization: Cytoplasm . Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) LRRK2/Dardarin Antibody (D) Composite.

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](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)



Western Blot analysis of Rat Brain Membrane showing detection of >200 kDa LRRK2/Dardarin protein using Mouse Anti-LRRK2/Dardarin Monoclonal Antibody, Clone S231B-34 (ASM10279). Lane 1: Molecular Weight Ladder. Lane 2: Rat Brain Membrane. Load: 15 µg. Block: 2% BSA and 2% Skim Milk in 1X TBST. Primary Antibody: Mouse Anti-LRRK2/Dardarin Monoclonal Antibody (ASM10279) at 1:200 for 16 hours at 4°C. Secondary Antibody: Goat Anti-Mouse IgG: HRP at 1:1000 for 1 hour RT. Color Development: ECL solution for 6 min in RT. Predicted/Observed Size: >200 kDa.

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.