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

Specification

LRRK2/Dardarin Antibody - Product Information

Application	ICC/IF, WB
Primary Accession	O5S007
Other Accession	NP_940980
Host	Mouse
Isotype	IgG1
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Format	RPE

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.

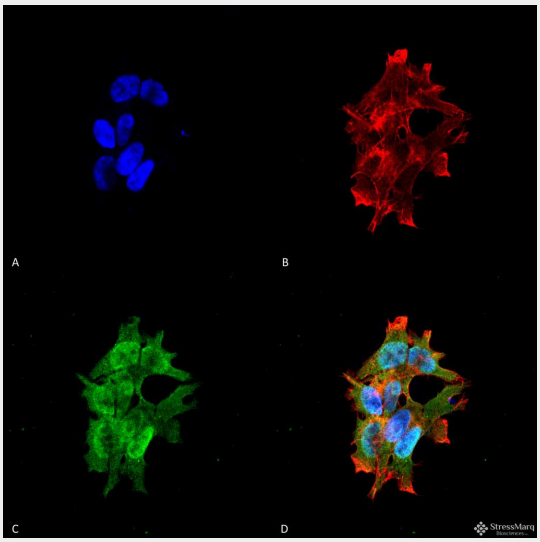
Purification
Protein G Purified

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



Immunocytochemistry/Immunofluorescence analysis using Mouse Anti-LRRK2/Dardarin Monoclonal Antibody, Clone S138-6 (ASM10280). 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 (ASM10280) 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 60 min RT, 5 min RT. Localization: Cytoplasm, Membrane, Nucleus. Magnification: 60X. (A) DAPI (blue) nuclear stain (B) Phalloidin Texas Red F-Actin stain (C) LRRK2/Dardarin Antibody (D) Composite.

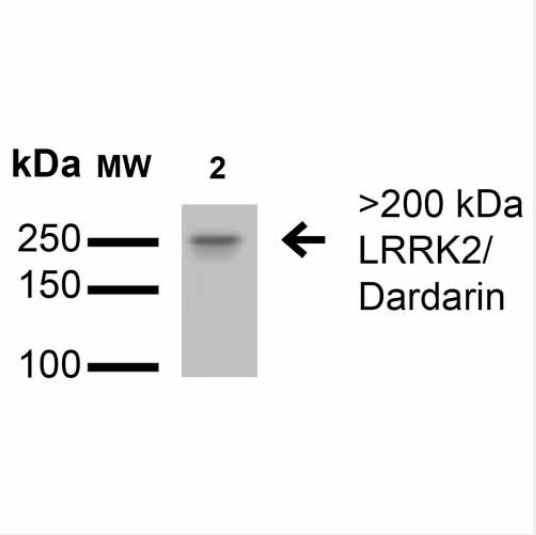
the secondary antibody.

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
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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 S138-6 (ASM10280). 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 (ASM10280) 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.