

# Anti-LRRK2/Dardarin

## Catalog# SMC-446D

Size: 100µg

PO Box 55036 Cadboro Bay  
3825 Cadboro Bay Rd  
Victoria, BC V8N 4G0, Canada

This product is for *in vitro* research use only and is not intended for use in humans or animals

# StressMarq

## Biosciences Inc.

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Product	Mouse anti-LRRK2/Dardarin antibody; monoclonal
Clone	S138-6
Immunogen	Fusion protein. Amino acids 1-500 (N-terminus) of human LRRK2 (accession # Q5S007). 83% identical in mouse and rat. No significant identity with LRRK1.
Host and Subclass	Mouse, IgG1
Cited Applications	WB, ICC
Specificity	Detects > 200 kDa protein.
Species cross-reactivity	Human, Rat, Mouse
Format	Protein G purified. In PBS pH 7.4, 0.1% NaN <sub>3</sub> and 50% glycerol.
Concentration and Working Dilution	1mg/ml; 1:1000 (WB)
Storage and stability	-20 °C; 1 year+; shipped on cold packs or ambient

### Certificate of Analysis

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1µg/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.  
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### Scientific 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.

# Material Safety Data Sheet

## Anti-LRRK2/Dardarin (Monoclonal Antibody) SMC-446

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The below information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. StressMarq shall not be held liable for any damage resulting from handling or from contact with the above product. See the Technical Specification, Packing Slip, Invoice, and Product Catalogue for additional terms and conditions of sale.

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### Hazardous Ingredients

The physical, chemical and toxicological properties of these components have not been fully investigated. It is recommended that all laboratory personnel follow standard laboratory safety procedures when handling this product. Safety procedures should include wearing OSHA approved safety glasses, gloves and protective clothing. Direct physical contact with this product should be avoided.

<u>Known Hazardous Components</u>	<u>CAS Number</u>	<u>Percent</u>
None		

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### Physical Data

This product consists of whole rabbit serum shipped on gel packs. The physical properties of this product have not been investigated thoroughly.

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### Fire and Explosion Hazard and Reactivity Data

NOT APPLICABLE

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### Toxicological Properties

May be harmful by inhalation, ingestion, or skin absorption. The toxicological properties of this product have not been investigated thoroughly. Exercise due caution.

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### Preventative Measures

Wear chemical safety goggles and compatible chemical-resistant gloves. Avoid inhalation, contact with eyes, skin or clothing.

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### Spill and Leak Procedures

Observe all federal, state and local environmental regulations.

- Wear protective equipment.
- Absorb on sand or vermiculite and place in closed containers for disposal.
- Dispose or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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### First Aid Measures

- If swallowed, wash out mouth with water, provided person is conscious. Call a physician.
- In case of skin contact, flush with copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, call a physician.
- If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.
- In case of eye contact, flush with copious amounts of water for at least 15 minutes while separating the eyelids with fingers. Call a physician.

Authorized: StressMarq Biosciences Inc.

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