

Anti-Neuroigin 3

Catalog# SMC-471D

Size: 100µg

PO Box 55036, Cadboro Bay
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This product is for *in vitro* research use only and is not intended for use in humans or animals

StressMarq

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Product	Mouse anti-Neuroigin 3 antibody; monoclonal
Clone	S110-29
Immunogen	Fusion protein amino acids 730-848 (intracellular C-terminus) of rat Neuroigin-3 (Accession no AAA97871) Mouse: 99% identity (118/119 amino acids identical) Human: 98% identity (116/119 amino acids identical) ~60% identity with Neuroigin-1 ~40% identity with Neuroigin-2
Host and Subclass	Mouse, IgG1
Cited Applications	WB, ICC, IHC
Specificity	Detects a 110 kDa protein. Does not cross-react with Neuroigin-1, -2, -4 or -4.
Species cross-reactivity	Human, mouse, rat
Format	Protein G purified. In PBS pH 7.4, 0.09% NaN ₃ 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

1µg/mL of SMC-471 was sufficient for detection of Neuroigin 3 in 20 µg of rat brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.

Scientific Background

Neuroigins are Type I membrane proteins enriched in synaptic plasma membranes and clustered in synaptic clefts and postsynaptic densities. They have been characterized as neuronal cell surface proteins and are thought to be involved in cell-cell-interactions by forming intercellular junctions through binding to beta-neurexins. They play a major role in the formation or maintenance of synaptic junctions. They are also thought to be involved in the specification of excitatory synapses. Neuroigins interact with beta-neurexins and this interaction is involved in the formation of functional synapses.

Material Safety Data Sheet

Anti-Neuroigin 3 (Monoclonal Antibody) SMC-471

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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.

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		

Physical Data

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

Fire and Explosion Hazard and Reactivity Data

NOT APPLICABLE

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.

Preventative Measures

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

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.

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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