
Rim3 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 253826

Unit: 0.1 mg

Description:

Rab3-interacting molecules (RIMs) are synaptic proteins necessary for neural transmission and plasticity. While both Rim1 and Rim 2 are thought to be effector proteins for Rab3, binding to Rab3 on synaptic vesicles in a GTP-dependent manner, less is known of Rim3. Expression of Rim3 in PC12 cells induced a significant increase in calcium-triggered exocytosis, with no appreciable change in the baseline release, suggesting that it plays a role in the regulation of exocytosis. Rim3 protein localizes primarily to neuronal dendrites and the postsynaptic densities, as opposed to Rim1 which is found in presynapse locations, indicating that Rim3 may contribute to synapse transmission and plasticity. This antibody is predicted to have no cross-reactivity to other Rim proteins.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M

Format: Each vial contains 0.1 ml IgG in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Rim3 ; Rab3-interacting molecule 3; regulating synaptic membrane exocytosis 3; RIM3 gamma; RIMS3; NIM3

Accession No.: NP_055562

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within human Rim3.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:00-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.