BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Synaptogyrin-2 SYNGR2 Antibody

Catalog Number: A13004

About SYNGR2

Synaptogyrins comprise a family of tyrosine-phosphorylated membrane proteins with two neuronal (SYNGR1 and SYNGR3) and one ubiquitous (SYNGR2) members. SYNGR1 and -3 are synaptic vesicle proteins, residing in some cases on the same synaptic vesicle, and are thought to be involved in the regulation of neurotransmitter release. SYNGR2, by contrast, is absent from synaptic vesicles. The role and localization of a fourth synaptogyrin, SYNGR4, is unclear. SYNGR3 is predominantly expressed in brain and placenta. The exact function of SYNGR2 is unknown, but studies suggest that it may play a role in regulating membrane traffic in non-neuronal cells.

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Overview

Product Name	Anti-Synaptogyrin-2 SYNGR2 Antibody
Reactive Species	Human, Rat
Description	Boster Bio Anti-Synaptogyrin-2 SYNGR2 Antibody (Catalog # A13004). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	SYNGR2 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	SYNGR2 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O43760

Technical Details

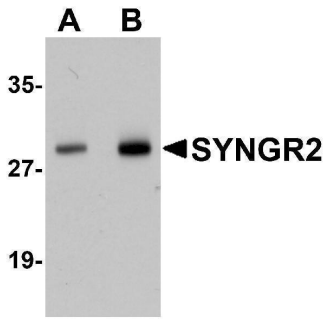
Immunogen	SYNGR2 antibody was raised against a 17 amino acid synthetic peptide from near the amino terminus of human SYNGR2. The immunogen is located within amino acids 30 - 80 of SYNGR2.
Predicted Reactive Species	Bovine
Isotype	IgG

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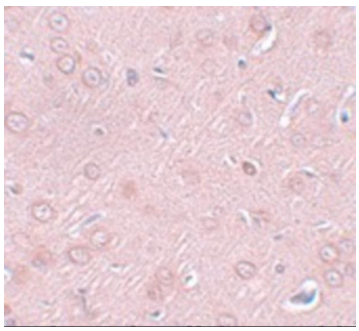
Form	Liquid
Concentration	1 mg/mL
Purification	SYNGR2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	SYNGR2 antibody can be used for detection of SYNGR2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in rat samples and Immunofluorescence in rat samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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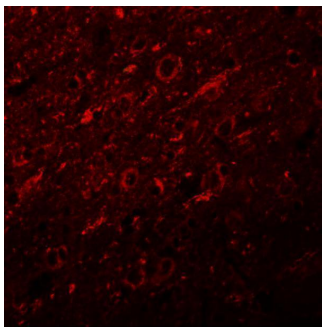
Anti-Synaptogyrin-2 SYNGR2 Antibody (A13004) Images



Western blot analysis of SYNGR2 in human lung tissue lysate with SYNGR2 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of SYNGR2 in rat brain tissue with SYNGR2 antibody at 2.5 ug/mL.



Immunofluorescence of SYNGR2 in rat brain tissue with SYNGR2 antibody at 20 ug/mL.

Anti-Synaptogyrin-2 SYNGR2 Antibody

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