

Anti-Synaptogyrin-3 SYNGR3 Antibody

Catalog Number: A14692

About SYNGR3

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. SYNGR3 is involved in the positive regulation of dopamine transporter activity and facilitates the physical and functional interactions of the transporter with the dopamine vesicular storage system, allowing a more efficient loading of the vesicles with extracellular dopamine after release.

Overview

Product Name	Anti-Synaptogyrin-3 SYNGR3 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Synaptogyrin-3 SYNGR3 Antibody (Catalog # A14692). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	SYNGR3 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	SYNGR3 antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	O43761

Technical Details

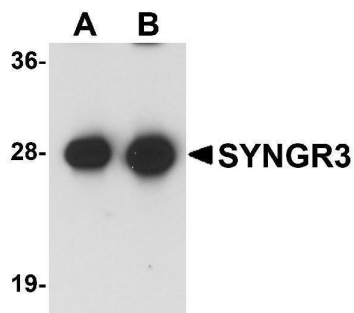
Immunogen	SYNGR3 antibody was raised against a 19 amino acid synthetic peptide from near the carboxy terminus of human SYNGR3. The immunogen is located within the last 50 amino acids of SYNGR3.
Predicted Reactive Species	Bovine
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	SYNGR3 Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

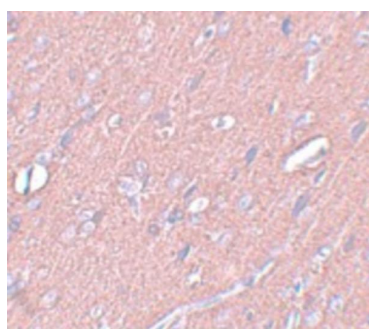
SYNGR3 antibody can be used for detection of SYNGR3 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2.5 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in mouse 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.

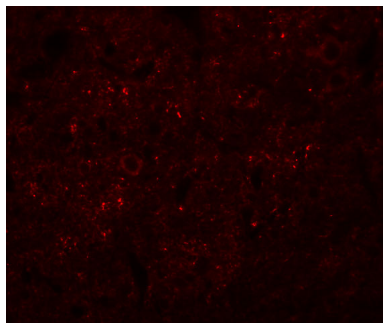
Anti-Synaptogyrin-3 SYNGR3 Antibody (A14692) Images



Western blot analysis of SYNGR3 in mouse brain tissue lysate with SYNGR3 antibody at (A) 1 and (B) 2 ug/mL .



Immunohistochemistry of SYNGR3 in rat brain tissue with SYNGR3 antibody at 2.5 ug/mL.



Immunofluorescence of SYNGR3 in Rat Brain cells with SYNGR3 antibody at 20 ug/mL.

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Anti-Synaptogyrin-3 SYNGR3 Antibody

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