BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-GRIP1 Antibody

Catalog Number: A03167

About GRIP1

Glutamate receptors play an important role in neural plasticity, development and degeneration. The glutamate receptor interacting proteins, GRIP1 and GRIP2, members of the PDZ domain-containing protein family, mediate the trafficking and membrane organization of a number of transmembrane proteins. GRIP1 and GRIP2 specifically bind to the AMPA receptor subunits, GluR 2/3 and are involved in the targeting of GluR 2/3 to the synapse. GRIP1 is expressed in early development before the expression of AMPA receptors, while GRIP2 expression parallels that of AMPA receptors during later developmental stages. GRIP1 and GRIP2 may be involved in the induction of cerebellar long-term depression (LTD).

Overview

Product Name	Anti-GRIP1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-GRIP1 Antibody (Catalog # A03167). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	GRIP1 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	GRIP1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q9Y3R0

Technical Details

Immunogen	Rabbit polyclonal GRIP1 antibody was raised against a 17 amino acid peptide near the carboxy terminus of human GRIP1. The immunogen is located within the last 50 amino acids of GRIP1.
Predicted Reactive Species	Chicken
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	GRIP1 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	GRIP1 antibody can be used for detection of GRIP1 by Western blot at 1 - 2 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

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	dilutions for each application should be determined by the researcher.

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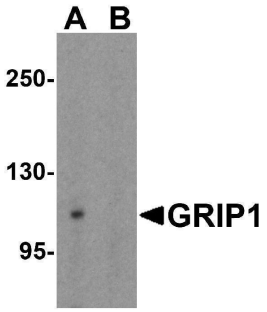
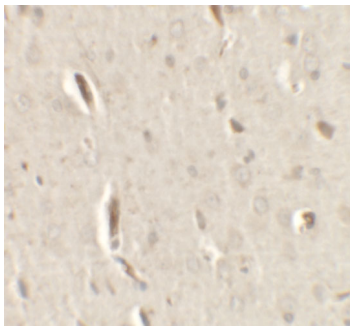
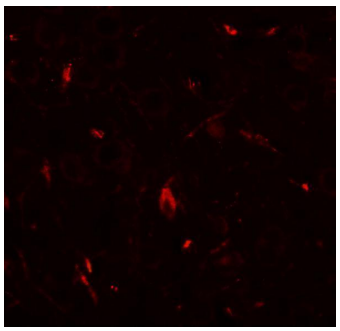
Anti-GRIP1 Antibody (A03167) Images



Western blot analysis of GRIP1 in 293 cell lysate with GRIP1 antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of GRIP1 in rat brain tissue with GRIP1 antibody at 2.5 ug/ml.



Immunofluorescence of GRIP1 in rat brain tissue with GRIP1 antibody at 20 ug/ml.

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Anti-GRIP1 Antibody

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