

Datasheet for 612-401-D66**GRASP Antibody****Overview**

Description:	Anti-GRASP (RABBIT) Antibody - 612-401-D66
Item No.:	612-401-D66
Size:	100 µL
Applications:	WB
Reactivity:	Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	GRASP Antibody detects GRASP protein. PDZ domain-containing proteins, such as PSD-95 and GRIP are thought to play key roles in glutamate receptor plasticity. GRIP-associated proteins (GRASPs) that bind to distinct PDZ domains within GRIP also play key roles in regulation of glutamate receptor function. GRASP-1 is a neuronal rasGEF associated with GRIP and AMPA receptors in vivo. Recent work suggests that GRASP-1 may regulate neuronal ras signaling and contribute to the regulation of AMPA receptor distribution by NMDA receptor activity. Therefore, GRASP antibody is ideal for investigators involved in neuronal plasticity and remodelling and more generally in Neuroscience.
Synonyms:	GRIP1-associated protein 1, Glutamate receptor-interacting protein 1, GRASP1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	Gripap1
Reactivity:	Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GRASP Antibody was produced by repeated immunizations with synthetic peptide corresponding to amino acid residues from the C-terminal region.

Purity/Specificity: Anti-GRASP Antibody is directed against rat GRASP protein. The antibody was affinity purified from monospecific antiserum by immunoaffinity purification. Expect reactivity with the following species based on sequence homology: bovine, canine, human, rat, and mouse. Cross reactivity with GRASP from other species has not been determined.

Relevant Links:

- [UniProtKB - Q9JHZ4](#)
- [GeneID - 116493](#)
- [UniProtKB - P97879.1](#)

Application Details

Tested Applications: WB

Application Note: Anti-GRASP (Rabbit) antibody is tested for use in Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band of approximately 95 kDa in size corresponding to GRASP protein in the appropriate cell lysate or extract.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

WB: 1:1000

Formulation

Physical State: Liquid

Buffer: 0.01 M HEPES, 0.15 M Sodium Chloride, pH 7.5

Stabilizer: 0.1 mg/ml Bovine Serum Albumin (BSA) - IgG and Protease free, 50% (v/v) Glycerol

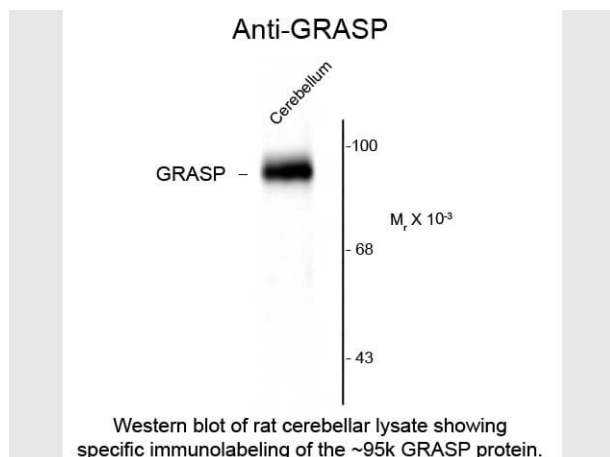
Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of Rabbit anti-GRIP-associated proteins (GRASP) antibody. Lane 1: rat cerebellar lysate. Lane 2: none. Load: 10 μ g per lane. Primary antibody: GRASP antibody at 1:400 for overnight at 4°C. Secondary antibody: IRDye800™ rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: ~95 kDa, ~95 kDa for GRASP. Other band(s): none.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.