

**GRASP Antibody**  
**Affinity purified rabbit polyclonal antibody**  
**Catalog # AN1085****Specification**

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**GRASP Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9JHZ4</a>
Reactivity	Rat
Predicted	Bovine, Human, Mouse
Host	Rabbit
Clonality	polyclonal
Calculated MW	95 KDa

**GRASP Antibody - Additional Information**

Gene ID	116493
Gene Name	GRIPAP1
<b>Other Names</b>	
GRIP1-associated protein 1, GRASP-1, Gripap1, Grasp1	

**Target/Specificity**

Synthetic peptide corresponding to amino acid residues from the C-terminal region conjugated to KLH.

**Dilution**

WB~~ 1:1000

**Format**

Prepared from rabbit serum by affinity purification via chromatography on an affinity column prepared with the C-terminal peptide used as antigen.

**Antibody Specificity**

Specific for the ~95k GRASP protein.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

GRASP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Shipping**

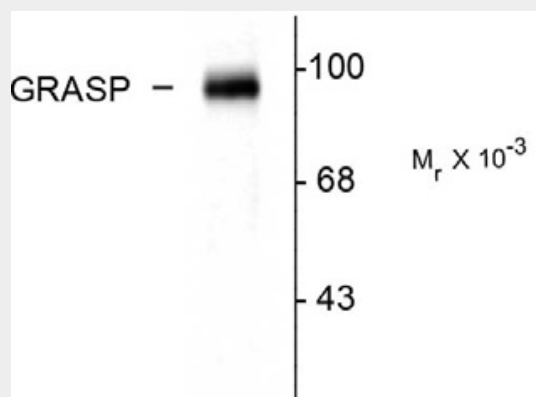
Blue Ice

**GRASP Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### GRASP Antibody - Images



Western blot of rat cerebellar lysate showing the specific immunolabeling of the ~95k GRASP protein.

### GRASP Antibody - Background

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 (Scannevin and Huganir, 2000). Recent work suggests that GRASP-1 may regulate neuronal ras signaling and contribute to the regulation of AMPA receptor distribution by NMDA receptor activity (Ye et al., 2000).

### GRASP Antibody - References

Scannevin RH, Huganir RL (2000) Postsynaptic organization and regulation of excitatory synapses. *Nat Rev Neurosci* 1:133-141.

Ye B, Liao DZ, Zhang XQ, Zhang PS, Dong HL, Huganir RL (2000) GRASP-1: A neuronal RasGEF associated with the AMPA receptor/GRIP complex. *Neuron* 26:603-617.