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GRASP Antibody

Affinity purified rabbit polyclonal antibody
Catalog # AN1085

Specification

GRASP Antibody - Product Information

Application	**WB**
Primary Accession	Q9JHZ4
Reactivity	**Rat**
Predicted	**Bovine, Human, Mouse**
Host	**Rabbit**
Clonality	**polyclonal**
Calculated MW	**95 KDa**

GRASP Antibody - Additional Information

Gene ID	**116493**
Gene Name	**GRIPAP1**

Other Names
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

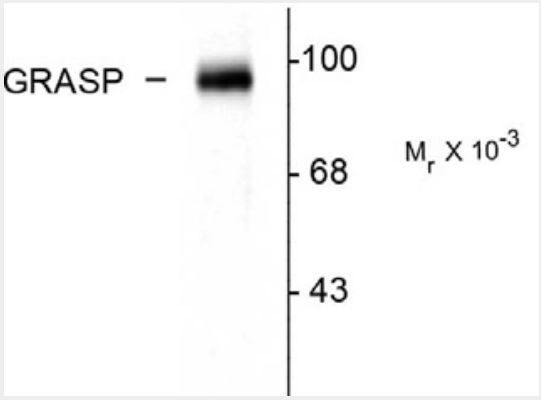
GRASP Antibody - Protocols

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

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- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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.