

GRIP

Cat.No. 151 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 100 up to 1 : 1000 IP: not tested yet ICC: 1 : 100 IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 662 to 769 from rat GRIP (UniProt Id: P97879)
Reactivity	Reacts with: human (Q9Y3R0), rat (P97879), mouse (Q925T6), hamster. Other species not tested yet.
Specificity	Recognizes GRIP 1 and GRIP 2.
matching control	151-OP

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

The glutamate receptor interacting protein **GRIP** is a post-synaptic scaffolding protein consisting of seven PDZ domains. It has been shown to interact with a diverse array of proteins like several AMPA receptors, HAP1-A, liprin-α and LAR receptor protein tyrosine phosphatases (LAR-RPTPs). GRIP is also involved in the synaptic targeting of AMPA receptors.

Selected References SYSY Antibodies

Synaptotagmin-3 drives AMPA receptor endocytosis, depression of synapse strength, and forgetting.
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Selected General References

The proteoglycan NG2 is complexed with alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptors by the PDZ glutamate receptor interaction protein (GRIP) in glial progenitor cells. Implications for glial-neuronal signaling.

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The PDZ proteins PICK1, GRIP, and syntenin bind multiple glutamate receptor subtypes. Analysis of PDZ binding motifs.
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The Journal of biological chemistry (2002) 277(18): 15221-4.

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EphrinB ligands recruit GRIP family PDZ adaptor proteins into raft membrane microdomains.
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