

GRIP1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56216

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	<u>Q9Y3R0</u>
Reactivity	Rat, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	122422
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GRIP1
Epitope Specificity	1-100/1128
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasmic vesicle. Endoplasmic reticulum. Cell junction > synapse >
	postsynaptic cell membrane. Cytoplasmic and membrane-associated with
	vesicles, peri-Golgi complexes and endoplasmic reticulum. Enriched in
	post-synaptic plasma membrane and post-synaptic densities.
SIMILARITY	Contains 7 PDZ (DHR) domains.
Important Note	This product as supplied is intended for research use only, not for use in
	human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the glutamate receptor interacting protein
	family. The encoded scaffold protein binds to and mediates the trafficking
	and membrane organization of a number of transmembrane proteins.
	Alternatively spliced transcript variants encoding different isoforms have been
	described. [provided by RefSeq, May 2010]

Additional Information

Gene ID	23426
Other Names	Glutamate receptor-interacting protein 1, GRIP-1, GRIP1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-50 0,ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	GRIP1
Function	May play a role as a localized scaffold for the assembly of a multiprotein signaling complex and as mediator of the trafficking of its binding partners at specific subcellular location in neurons (PubMed: <u>10197531</u>). Through complex formation with NSG1, GRIA2 and STX12 controls the intracellular fate of AMPAR and the endosomal sorting of the GRIA2 subunit toward recycling and membrane targeting (By similarity).
Cellular Location	Cytoplasmic vesicle. Perikaryon {ECO:0000250 UniProtKB:P97879}. Cell projection, dendrite {ECO:0000250 UniProtKB:P97879}. Cytoplasm {ECO:0000250 UniProtKB:P97879}. Endomembrane system {ECO:0000250 UniProtKB:P97879}. Peripheral membrane protein {ECO:0000250 UniProtKB:P97879}. Postsynaptic cell membrane {ECO:0000250 UniProtKB:P97879}. Postsynaptic density {ECO:0000250 UniProtKB:P97879}. Endoplasmic reticulum membrane; Peripheral membrane protein {ECO:0000250 UniProtKB:P97879}. Note=Membrane-associated with vesicles, peri-Golgi complexes and endoplasmic reticulum. Enriched in postsynaptic plasma membrane and postsynaptic densities {ECO:0000250 UniProtKB:P97879}

Images



Paraformaldehyde-fixed, paraffin embedded (mouse placenta tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GRIP1) Polyclonal Antibody, Unconjugated (AP56216) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0024) for 20 minutes and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.