

Rabbit GRID2 Polyclonal Antibody | anti-GRID2 antibody

GRID2 Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282372	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Western Blot

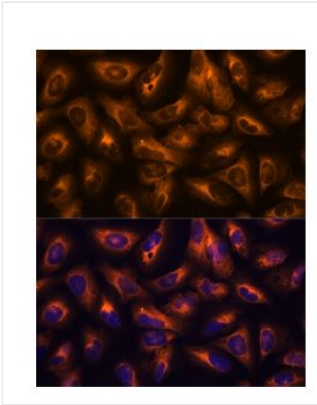
PRODUCT SYNONYMS

GRID2; Polyclonal Antibody; GRID2 Rabbit pAb; GluD2; SCAR18; anti-GRID2 antibody

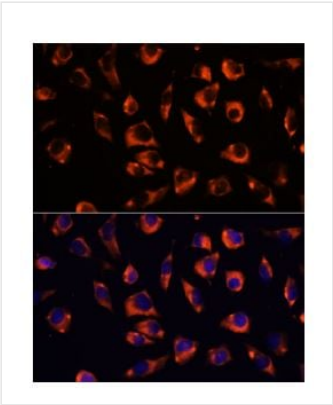
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Liquid PBS with 0.01% thimerosal, 50% glycerol, pH7.3.
Sequence	IDLTPLDIDT LPTRQALEQI SDFRNTHITT TTFIPEQIQT LSRTLAKAA SGFTFGNVPE HRTGPFRHRA PNGGFFRSPI KTMSSIPYQP TPTLGLNLGN DPDRGTSI
Applicable Applications for anti-GRID2 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Positive Samples	Mouse brain
Cellular Location	dendritic spine, glutamatergic synapse, parallel fiber to Purkinje cell synapse, plasma membrane, postsynaptic density membrane, postsynaptic membrane, synapse
Research Area	Neuroscience
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 900-1007 of human GRID2 (NP_001501.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles. Ship: Ice Pack

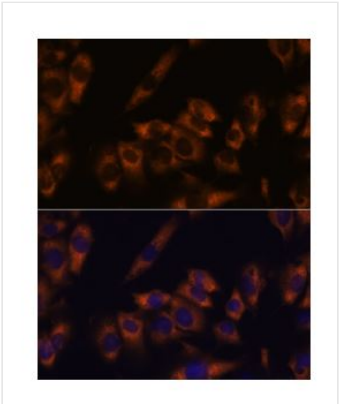
IMAGES



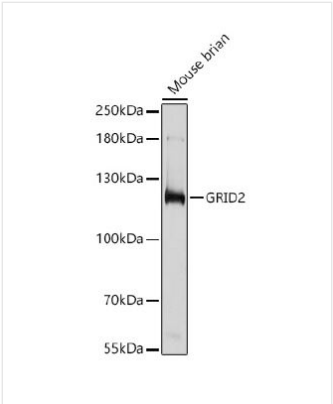
IF (Immunofluorescence)
Immunofluorescence analysis of U-2 OS cells using GRID2 antibody (AAA282372) at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of L929 cells using GRID2 antibody (AAA282372) at dilution of 1:100. Blue: DAPI for nuclear staining



IF (Immunofluorescence)
Immunofluorescence analysis of C6 cells using GRID2 antibody (AAA282372) at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of Mouse brain, using GRID2 antibody (AAA282372) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-GRID2 antibody	The protein encoded by this gene is a member of the family of ionotropic glutamate receptors which are the predominant excitatory neurotransmitter receptors in the mammalian brain. The encoded protein is a multi-pass membrane protein that is expressed selectively in cerebellar Purkinje cells. A point mutation in the mouse ortholog, associated with the phenotype named 'lurcher', in the heterozygous state leads to ataxia resulting from selective, cell-autonomous apoptosis of cerebellar Purkinje cells during postnatal development. Mice homozygous for this mutation die shortly after birth from massive loss of mid- and hindbrain neurons during late embryogenesis. This protein also plays a role in synapse organization between parallel fibers and Purkinje cells. Alternate splicing results in multiple transcript variants encoding distinct isoforms. Mutations in this gene cause cerebellar ataxia in humans.
Product Categories/Family for anti-GRID2 antibody	Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	157384977
NCBI GeneID	2895
NCBI Accession #	NP_001501.2
NCBI GenBank Nucleotide #	NM_001510.2
UniProt Accession #	O43424; Q4KKU9; Q4KKV0; Q59FZ1

Molecular Weight	113,356 Da
NCBI Official Full Name	glutamate receptor ionotropic, delta-2
NCBI Official Synonym Full Names	glutamate receptor, ionotropic, delta 2
NCBI Official Symbol	GRID2
NCBI Official Synonym Symbols	GluD2
NCBI Protein Information	glutamate receptor ionotropic, delta-2; GluR-delta-2; gluD delta-2 subunit; glutamate receptor delta-2 subunit
UniProt Protein Name	Glutamate receptor ionotropic, delta-2
UniProt Gene Name	GRID2
UniProt Synonym Gene Names	GLURD2; GluD2
UniProt Entry Name	GRID2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grid2-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282372>