

GRIA1 Antibody

Catalog No: #32454

Package Size: #32454-1 50ul #32454-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	GRIA1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total GRIA1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human GRIA1.
Conjugates	Unconjugated
Target Name	GRIA1
Other Names	GLUH1; GLUR1; GLURA; GluA1; HBGR1
Accession No.	Swiss-Prot:P42261NCBI Gene ID:2890
SDS-PAGE MW	105KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

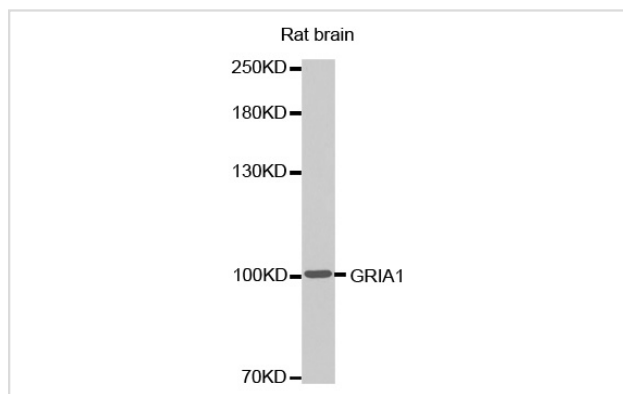
Application Details

Western blotting: 1:500 - 1:2000

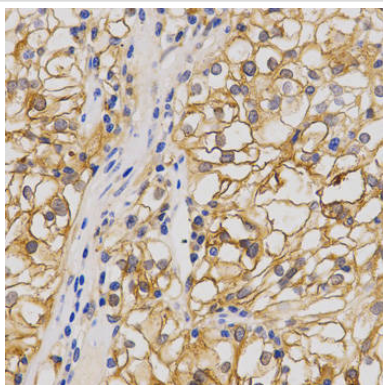
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:200

Images



Western blot analysis of extracts of Rat brain cell line, using GRIA1 antibody.



Immunohistochemistry of paraffin-embedded human stomach cancer using GRIA1 antibody at dilution of 1:200 (x400 lens)

Background

Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Published Papers

el at., The extracellular fragment of GPNMB (Glycoprotein nonmelanosoma protein B, osteoactivin) improves memory and increases hippocampal GluA1 levels in mice. In *J Neurochem* on 2015 Mar by Kenta Murata, Yuta Yoshino et al.. PMID: 25545823, , (2015)

[PMID:25545823](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.