Datasheet for ABIN6141386

anti-Glutamate Receptor 3 antibody (AA 200-490)

2 Images

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Overview

Quantity:	100 µL
Target:	Glutamate Receptor 3 (GRIA3)
Binding Specificity:	AA 200-490
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Glutamate Receptor 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 200-490 of human GRIA3 (NP_000819.3).
Sequence:	QEFRRIIEEM DRRQEKRYLI DCEVERINTI LEQVVILGKH SRGYHYMLAN LGFTDILLER VMHGGANITG FQIVNNENPM VQQFIQRWVR LDEREFPEAK NAPLKYTSAL THDAILVIAE AFRYLRRQRV DVSRRGSAGD CLANPAVPWS QGIDIERALK MVQVQGMTGN IQFDTYGRRT NYTIDVYEMK VSGSRKAGYW NEYERFVPFS DQQISNDSAS SENRTIVVTT ILESPYVMYK KNHEQLEGNE RYEGYCVDLA YEIAKHVRIK YKLSIVGDGK YGARDPETKI W
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

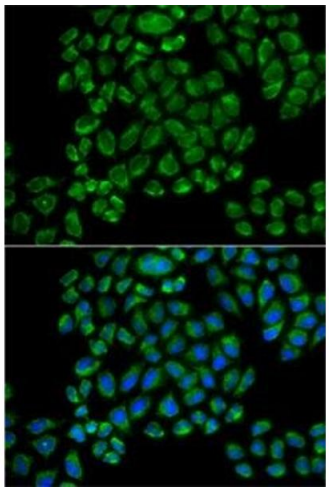
Target:	Glutamate Receptor 3 (GRIA3)
Alternative Name:	GRIA3 (GRIA3 Products)
Background:	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. These receptors are heteromeric protein complexes composed of multiple subunits, arranged to form ligand-gated ion channels. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. The subunit encoded by this gene belongs to a family of AMPA (alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate)-sensitive glutamate receptors, and is subject to RNA editing (AGA->GGA, R->G). Alternative splicing at this locus results in different isoforms, which may vary in their signal transduction properties.,GRIA3,GLUR-C,GLUR-K3,GLUR3,GLURC,GluA3,MRX94,Neuroscience,Neurodegenerative Diseases,Amyloid Plaque and Neurofibrillary Tangle Formation in Alzheimer's Disease,Dopamine Signaling in Parkinson's Disease,GRIA3
Molecular Weight:	101 kDa
Gene ID:	2892
UniProt:	P42263
Pathways:	PI3K-Akt Signaling, cAMP Metabolic Process, Synaptic Membrane

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:100
Restrictions:	For Research Use only

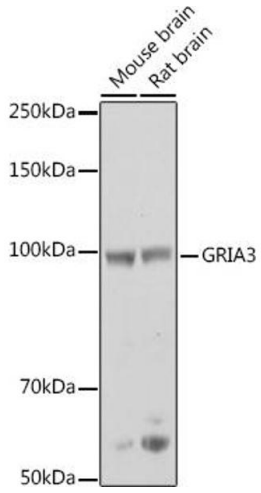
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunofluorescence

Image 1. Immunofluorescence analysis of HeLa cells using GRI antibody (ABIN6127964, ABIN6141386, ABIN6141387 and ABIN6218189). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using GRI antibody (ABIN6127964, ABIN6141386, ABIN6141387 and ABIN6218189) at 1:500 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 1s.