



Rabbit Anti-GRIA1 monoclonal antibody, clone TE3121 (CABT-BL8461)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Glutamate receptor 1
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TE3121
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP
Molecular Weight	92 kDa
Cellular Localization	Cell membrane, Endoplasmic reticulum membrane, Cell junction.
Positive Control	Rat brain tissue, rat cerebellum tissue, mouse brain tissue, mouse cerebellum tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	Glutamate receptors mediate most excitatory neurotransmission in the brain and play an important role in neural plasticity, neural development and neurodegeneration. Ionotropic glutamate receptors are categorized into NMDA receptors and kainate/AMPA receptors, both of which contain glutamate-gated, cation-specific ion channels. Kainate/AMPA receptors are co-localized with NMDA receptors in many synapses and consist of seven structurally related subunits designated GluR-1 to -7. The kainate/AMPA receptors are primarily responsible for the fast excitatory neuro-transmission by glutamate whereas the NMDA receptors are functionally characterized by a slow kinetic and a high permeability for Ca2+ ions. The NMDA receptors consist of five subunits: epsilon 1, 2, 3, 4 and one zeta subunit. The zeta subunit is expressed throughout the brainstem whereas the four epsilon subunits display limited distribution.
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Keywords	GLUR 1;GLUR A;AMPA 1;AMPA selective glutamate receptor 1;AMPA-selective glutamate receptor 1;GluA1;GLUH1;GluR K1;GluR-1;GluR-A;GluR-K1;GLUR1;GLURA;GluRK1;Glutamate receptor 1;Glutamate receptor ionotropic AMPA 1;Glutamate receptor ionotropic;Glutamate receptor, ionotropic, AMPA 1;Gria1;GRIA1_HUMAN;HBGR1;MGC133252;OTTHUMP00000160643;OTTHUMP00000165781;OTTHUM antibody
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