

GluR1(Ab-863) Antibody

Catalog No: #21254

Package Size: #21254-1 50ul #21254-2 100ul

Description

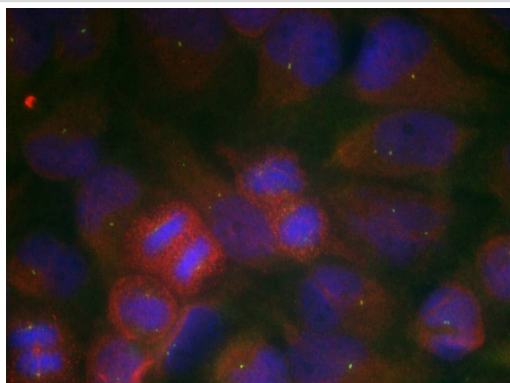
Product Name	GluR1(Ab-863) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total GluR1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.861~865 (R-N-S-G-A) derived from Human GluR1.
Conjugates	Unconjugated
Target Name	GluR1
Other Names	GLR1; GLUH1; GRIA1; GluR-1; GluR-A
Accession No.	Swiss-Prot: P42261NCBI Protein: NP_000818.2
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 for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 110kd

Immunofluorescence: 1:100~1:200

Images



Immunofluorescence staining of methanol-fixed HeLa cells using GluR1(Ab-863) Antibody #21254.

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 α -amino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Emamian ES, et al. (2004) J Neurosci. 24(7): 1561-4

Palmer, C.L. et al. (2005) Pharmacol. Rev. 57, 253-277.

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