

mGluR2 Rabbit mAb

Catalog No: #49287

Package Size: #49287-1 50ul #49287-2 100ul

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Description

Product Name	mGluR2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ091-09
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	AMPA selective glutamate receptor 2 antibody GLUR2 antibody GLURB antibody Glutamate metabotropic receptor 2 antibody Glutamate receptor homolog antibody Glutamate receptor metabotropic 2 antibody GPRC1B antibody GRM2 antibody GRM2_HUMAN antibody Metabotropic glutamate receptor 2 antibody mGlu2 antibody mGluR2 antibody OTTHUMP00000210984 antibody OTTHUMP00000210986 antibody
Accession No.	Swiss-Prot#:Q14416
Uniprot	Q14416
GeneID	2912;
Calculated MW	96 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

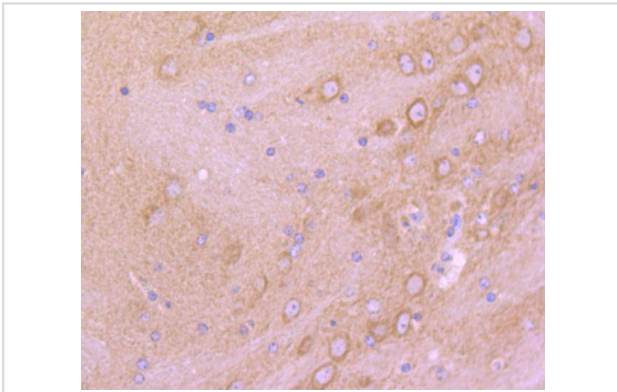
Application Details

WB: 1:1,000

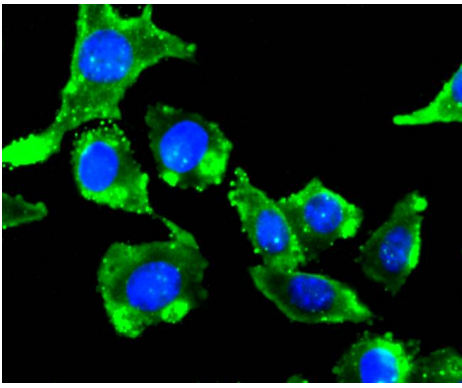
IHC: 1:50-1:200

ICC: 1:50-1:200

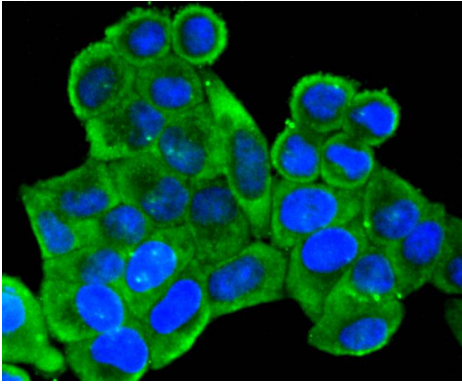
Images



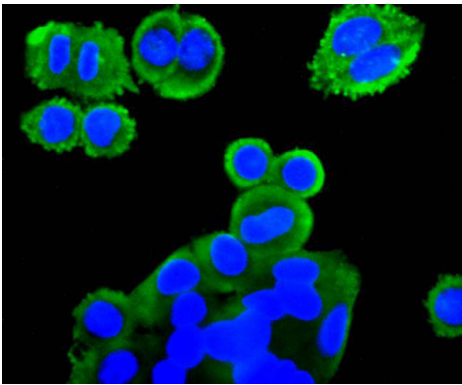
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-mGluR2 antibody. Counter stained with hematoxylin.



ICC staining mGluR2 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining mGluR2 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining mGluR2 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

The mGluR proteins (metabotropic glutamate receptors) are members of the G-protein-coupled receptor family and are functionally and pharmacologically distinct from the GluR proteins (ionotropic glutamate receptors). The eight currently known mGluR proteins are mediated by two G-proteins with opposing regulation of adenylate cyclase pathways. The activities of mGluR1 and mGluR5 are mediated by a G-protein that activates a phosphatidylinositol-calcium second messenger system and generates a calcium-activated chloride current. The remainder of the eight sub-types of mGluR have an activity mediated by a G-protein that inhibits adenylate cyclase activity. mGluR-2, which may interact with GRASP, acts as a receptor for glutamate. It may also be involved in the regulation of neurotransmission suppression and in synaptogenesis or synaptic stabilization.

References

Note: This product is for in vitro research use only