



Rabbit anti mGluR5 Polyclonal Antibody

Alternative Name(s): Glutamate Receptor 5, mGluR5

Order Information

- **Description:** mGluR5
- **Catalogue:** 500-2874
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB, IP
- **Reactivity:** Hu, Rt, Rb

ANTIGEN PREPARATION

A synthetic peptide derived from C-terminus of human Glutamate receptor. This sequence is identical to human and rat.

BACKGROUND

Glutamate receptors constitute the principal excitatory neurotransmitter receptors in brain. Two classes of glutamate receptors exist: ionotropic receptors, and metabotropic receptors. Ionotropic glutamate receptors are oligomeric complexes of various subunits (GluR1-7, NMDA1-3, KAI-2) which comprise ligand-gated calcium channels. Metabotropic glutamate receptors are G-protein coupled receptors, which when activated can activate phospholipases or adenylylcyclase, depending on the neuron.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~130 kDa of mGluR 5 Protein. It is cross react to human and rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20oC to -70oC. The antibodies can be stored at 2oC-8oC for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 µg/ml
- ELISA: 0.01-0.1 µg/ml
- Immunoprecipitation: 2-5 µg/ml
- IHC: 2-10 µg/ml
- Flow cytometry: Not tested
- Molecular Weight: 130.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

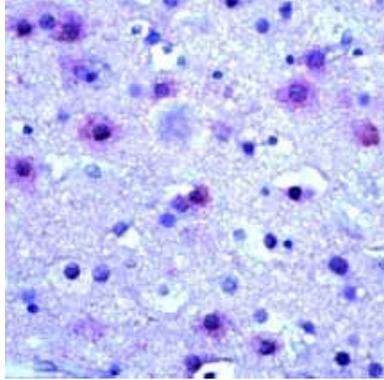
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Human brain tissue (FFPE) stained with Rabbit Anti-mGluR antibody (Cat# 500-2874) at 1:50 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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