

mGluR5 Polyclonal Antibody

Catalog # AP70928

Specification

mGluR5 Polyclonal Antibody - Product Information

Application WB, IHC-P, IF
Primary Accession P41594
Reactivity Human, Mouse, Rat

Host Rabbit

Clonality Rabbit Polyclonal

mGluR5 Polyclonal Antibody - Additional Information

Gene ID 2915

Other Names

GRM5; GPRC1E; MGLUR5; Metabotropic glutamate receptor 5; mGluR5

Dilution

WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence:

1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.

IHC-P~~N/A IF~~1:50~200

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

mGluR5 Polyclonal Antibody - Protein Information

Name GRM5

Synonyms GPRC1E, MGLUR5

Function

G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling activates a phosphatidylinositol- calcium second messenger system and generates a calcium-activated chloride current. Plays an important role in the regulation of synaptic plasticity and the modulation of the neural network activity.

Cellular Location

Cell membrane; Multi-pass membrane protein

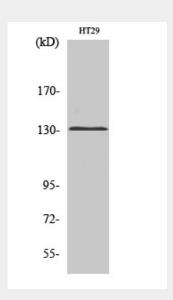


mGluR5 Polyclonal Antibody - Protocols

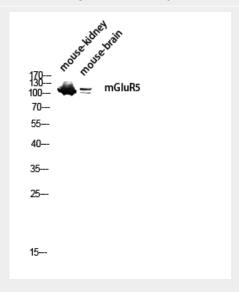
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

mGluR5 Polyclonal Antibody - Images



Western Blot analysis of various cells using mGluR5 Polyclonal Antibody diluted at 1□1000



Western blot analysis of mouse-kidney mouse-brain lysis using mGluR5 antibody. Antibody was diluted at 1:1000

mGluR5 Polyclonal Antibody - Background





Tel: 858.875.1900 Fax: 858.875.1999

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