

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	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

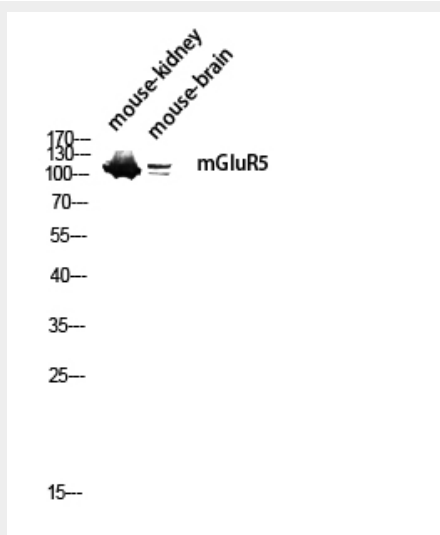
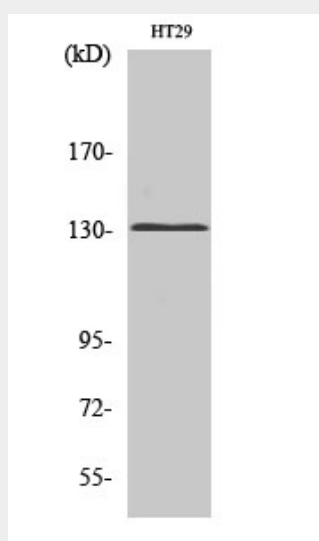
Cell membrane; Multi-pass membrane protein

mGluR5 Polyclonal Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

mGluR5 Polyclonal Antibody - Images



mGluR5 Polyclonal Antibody - Background

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.