

**mGluR5 Polyclonal Antibody**  
Catalog # AP70928**Specification**

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**mGluR5 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P41594</a>
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.

**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**

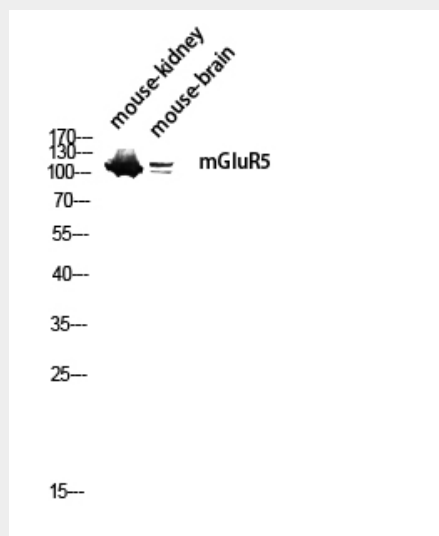
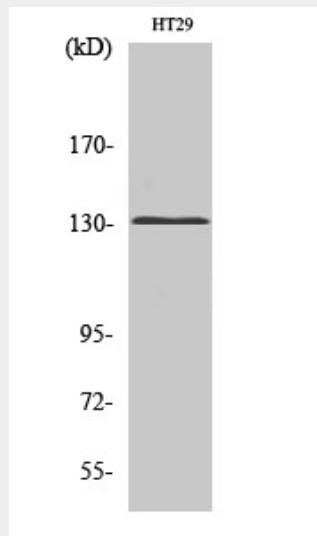
Cell membrane; Multi-pass membrane protein

**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.