

### **GRM5 Antibody**

Rabbit mAb Catalog # AP90555

# **Specification**

### **GRM5 Antibody - Product Information**

Application WB, IHC, FC, ICC

Primary Accession P41594
Reactivity Rat

Clonality Monoclonal

**Other Names** 

GPRC1E; GRM5; Metabotropic glutamate receptor 5 precursor; MGLUR5; MGR5;

Isotype Rabbit IgG
Host Rabbit
Calculated MW 132469 Da

# **GRM5 Antibody - Additional Information**

Dilution WB~~1:1000

IHC~~1:100~500 FC~~1:10~50

ICC~~N/A

Purification Affinity-chromatography

Immunogen A synthesized peptide derived from human

GRM5

Description 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

the neural network activity.

Storage Condition and Buffer Rabbit IgG in phosphate buffered saline,

pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid

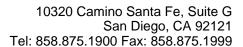
synaptic plasticity and the modulation of

freeze / thaw cycle.

### **GRM5 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**

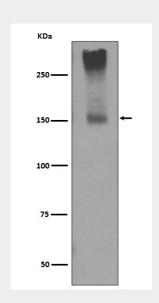
Cell membrane; Multi-pass membrane protein

# **GRM5 Antibody - Protocols**

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

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

# **GRM5 Antibody - Images**



Western blot analysis of GRM5 expression in mouse brain lysate.