

## GRM5

**Reactivity:** Human Mouse Rat

**Tested applications:** WB IHC ICC IF IP FC

**Recommended Dilution:** WB 1:500 - 1:2000 IHC 1:50 - 1:200 ICC 1:50 - 1:200 IF 1:50 - 1:100  
IP 1:20 - 1:50 FC 1:20 - 1:50

**Calculated MW:** 132 kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human GRM5

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

mGlu5; GPRC1E; MGLUR5; PPP1R86;

**Catalog #:** A10876

**Antibody Type:**

Monoclonal Antibody

**Species:** Rabbit

**Gene ID:** 2915

**Isotype:** IgG

**Swiss Prot:** P41594

**Purity:** Affinity purification

For research use only.

**Background:**

This gene encodes a member of the G-protein coupled receptor 3 protein family. The encoded protein is a metabotropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved in the regulation of neural network activity and synaptic plasticity. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. A pseudogene of this gene has been defined on chromosome 11. Alternative splicing results in multiple transcript variants.

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