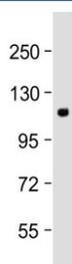


## mGluR2 Antibody / Metabotropic Glutamate Receptor 2 / GRM2 (C-Terminal Region) (F54174)

Catalog No.	Formulation	Size
F54174-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Predicted Reactivity</b>	Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q14416
<b>Applications</b>	Western Blot : 1:1000-1:2000
<b>Limitations</b>	This mGluR2 antibody is available for research use only.



Western blot testing of human cerebellum lysate with mGluR2 antibody at 1:2000. Predicted molecular weight ~96 kDa, routinely observed at 110-120 kDa (monomer) and 220-240 kDa (dimer).

### 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, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity. May mediate suppression of neurotransmission or may be involved in synaptogenesis or synaptic stabilization.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the mGluR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 681-715 from human GRM2 was used as the immunogen for the mGluR2 antibody.

## Storage

Aliquot the mGluR2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.