

GRM5 Antibody

Rabbit mAb Catalog # AP90555

Specification

GRM5 Antibody - Product Information

Application Primary Accession Reactivity Clonality Other Names GPRC1E; GRM5; Metabotropic glutamate recepto	WB, IHC, FC, ICC <u>P41594</u> Rat Monoclonal or 5 precursor; MGLUR5; MGR5;
lsotype Host Calculated MW	Rabbit IgG Rabbit 132469 Da
GRM5 Antibody - Additional Information	
Dilution	WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A
Purification Immunogen	Affinity-chromatography 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 synaptic plasticity and the modulation of
Storage Condition and Buffer	the neural network activity. 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 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

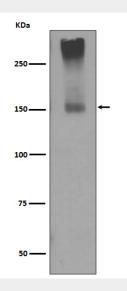
Cell membrane; Multi-pass membrane protein

GRM5 Antibody - Protocols

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

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

GRM5 Antibody - Images



Western blot analysis of GRM5 expression in mouse brain lysate.