

## Rabbit mGLUR5 Polyclonal Antibody | anti-GRM5 antibody

Anti-mGLUR5 Antibody

| CATALOG # | HOST   | REACTIVITY                          | APPLICATIONS                                                                |
|-----------|--------|-------------------------------------|-----------------------------------------------------------------------------|
| AAA104295 | Rabbit | Human, Mouse, Rat, Dog, Monkey, Pig | Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

mGLUR5; Polyclonal Antibody; Anti-mGLUR5 Antibody; GPRC1E; MGLUR5; Metabotropic glutamate receptor 5; mGluR5; anti-GRM5 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                |
| Reactivity                                     | Human, Mouse, Rat, Dog, Monkey, Pig                                                                                                   |
| Clonality                                      | Polyclonal                                                                                                                            |
| Specificity                                    | Recognizes endogenous levels of mGLUR5 protein.                                                                                       |
| Purity/Purification                            | The antibody was purified by immunogen affinity chromatography.                                                                       |
| Form/Format                                    | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.                             |
| Sequence Length                                | 1180                                                                                                                                  |
| Applicable Applications for anti-GRM5 antibody | ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                     |
| Immunogen                                      | KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human mGLUR5. The exact sequence is proprietary. |
| Preparation and Storage                        | Upon receipt, aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.                                                      |

### IMAGES



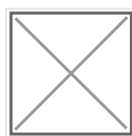
#### IF (Immunofluorescence)

Immunofluorescent analysis of mGLUR5 staining in EOC20 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



#### IHC (Immunohistochemistry)

Immunohistochemical analysis of mGLUR5 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



#### WB (Western Blot)

Western blot analysis of mGLUR5 expression in C6 (A) whole cell lysates. (Predicted band size : 132 kD; Observed band size : 132 kD)

ADDITIONAL INFORMATION

|                                                    |                                      |
|----------------------------------------------------|--------------------------------------|
| Related Product Information for anti-GRM5 antibody | Rabbit polyclonal antibody to mGLUR5 |
|----------------------------------------------------|--------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------|
| NCBI GI #                        | 4504143                                                                         |
| NCBI GeneID                      | 2915                                                                            |
| NCBI Accession #                 | NP_000833.1                                                                     |
| NCBI GenBank Nucleotide #        | NM_000842.4                                                                     |
| UniProt Accession #              | P41594; Q6J164                                                                  |
| NCBI Official Full Name          | metabotropic glutamate receptor 5 isoform b                                     |
| NCBI Official Synonym Full Names | glutamate receptor, metabotropic 5                                              |
| NCBI Official Symbol             | GRM5                                                                            |
| NCBI Official Synonym Symbols    | mGlu5; GPRC1E; MGLUR5; PPP1R86                                                  |
| NCBI Protein Information         | metabotropic glutamate receptor 5; protein phosphatase 1, regulatory subunit 86 |
| UniProt Protein Name             | Metabotropic glutamate receptor 5                                               |
| UniProt Gene Name                | GRM5                                                                            |
| UniProt Synonym Gene Names       | GPRC1E; MGLUR5; mGluR5                                                          |
| UniProt Entry Name               | GRM5_HUMAN                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.