

## Polyclonal Antibody to mGluR5/1 - Purified

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| <b>Alternate names:</b> | GPRC1E, GRM5, MGLUR5A, MGLUR5B, Metabotropic glutamate receptor 5/1   |
| <b>Catalog No.:</b>     | AP05774PU-N   |
| <b>Quantity:</b>        | 0.1 ml  |
| <b>Background:</b>      | The metabotropic glutamate receptors have been organised into three groups, mGluR5 and mGluR1 make up group I which, when activated, stimulates phospholipase C and activates protein kinase C to hydrolyse phosphoinositide phospholipids in the cell membrane. Group I mGluRs, but not other groups, are activated by 3, 5-dihydroxyphenylglycine (DHPG). |
| <b>Host / Isotype:</b>  | Rabbit / IgG  |
| <b>Immunogen:</b>       | Peptide from the C-terminal region of rat mGluR5 and rat mGluR1a.   |
| <b>Format:</b>          | <b>State:</b> Liquid purified IgG<br><b>Buffer System:</b> 200mM Tris-Glycine pH7.5 containing 0.09% Sodium Azide (NaN <sub>3</sub> )   |
| <b>Applications:</b>    | Immunohistochemistry on frozen sections: 1:500.<br>Western Blot: 1:1000; detects bands of approximately 125kDa (monomer) and 250kDa (dimer) in HEK293 cells.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.  |
| <b>Specificity:</b>     | This antibody recognises rat metabotropic glutamate receptor 5 and 1a (mGluR5 and mGluR1a).<br><b>Species:</b> Rat.<br>Other species not tested.  |
| <b>Storage:</b>         | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |
| <b>Caution:</b>         | (A full Health and Safety assessment is available upon request) This product contains Sodium Azide: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.   |