Product datasheet

Anti-Metabotropic Glutamate Receptor 7/MGLUR7 antibody ab53705

Overview

**Product name**
Anti-Metabotropic Glutamate Receptor 7/MGLUR7 antibody

**Description**
Rabbit polyclonal to Metabotropic Glutamate Receptor 7/MGLUR7

**Host species**
Rabbit

**Specificity**
ab53705 detects endogenous levels of total Metabotropic Glutamate Receptor 7/MGLUR7 protein

**Tested applications**
Suitable for: IP, WB, IHC-P, ELISA

**Species reactivity**
Reacts with: Human

Predicted to work with: Mouse, Rat

**Immunogen**
Synthetic peptide corresponding to Human Metabotropic Glutamate Receptor 7/MGLUR7.

**Positive control**
Human brain tissue and HuvEc cell extracts.

**General notes**
This product was previously labelled as Metabotropic Glutamate Receptor 7

Properties

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**
pH: 7.40
Preservative: 0.02% Sodium azide
Constituents: 50% Glycerol, 0.87% Sodium chloride, PBS

Without Mg+2 and Ca+2

**Purity**
Immunogen affinity purified

**Clonality**
Polyclonal

**Isotype**
IgG

Applications
**Function**
Receptor for glutamate. The activity of this receptor is mediated by a G-protein that inhibits adenylate cyclase activity.

**Tissue specificity**
Expressed in many areas of the brain, especially in the cerebral cortex, hippocampus, and cerebellum. Expression of GRM7 isoforms in non-neuronal tissues appears to be restricted to isoform 3 and isoform 4.

**Sequence similarities**
Belongs to the G-protein coupled receptor 3 family.

**Cellular localization**
Cell membrane.

### Images

**Western blot - Anti-Metabotropic Glutamate Receptor 7/MGLUR7 antibody (ab53705)**

<table>
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<th>Notes</th>
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**Target**

### Application

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Metabotropic Glutamate Receptor 7/MGLUR7 was immunoprecipitated using 0.5mg Rat Brain tissue extract, 5µg of Rabbit polyclonal to Metabotropic Glutamate Receptor 7/MGLUR7 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Rat Brain tissue extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab53705.


Band: 110kDa; Metabotropic Glutamate Receptor 7/MGLUR7 ab53705 at 1/50 dilution staining Metabotropic Glutamate Receptor 7/MGLUR7 in human brain by Immunohistochemistry, Paraffin embedded tissue, in the absence or presence of the immunising peptide.

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