

# mGluR1 Polyclonal Antibody

## Description

Product type Primary Antibody

Code BT-AP05386

**Host** Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human GRM1. AA range:251-300

Mol wt 132367

Species reactivity Human, Mouse, Rat

**Clonality** Polyclonal

Recommended application IHC-p, ELISA

Concentration 1 mg/ml

Full name mGluR1 Antibody

Synonyms GRM1; GPRC1A; MGLUR1; Metabotropic glutamate receptor 1; mGluR1

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

## Background

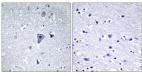
GRM1 encodes a metabotropic glutamate receptor that functions by activating phospholipase C. L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.

# Recommended Dilution

IHC: 1: 100 - 1: 300 ELISA: 1: 5000

Not yet tested in other applications.

## **Images**



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GRM1 Antibody. The picture on the right is blocked with the synthesized peptide.

# Storage

-20°C for one year