

mGluR-7 Polyclonal Antibody

Description

Product type Primary Antibody

Code BT-AP05393

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human mGluR7. AA range:866-915

Mol wt 102251

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, IHC-p, IF, ELISA

Concentration 1 mg/ml

Full name mGluR-7 Antibody

Synonyms GRM7; GPRC1G; MGLUR7; Metabotropic glutamate receptor 7; mGluR7

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

Background

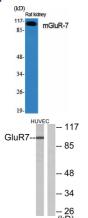
L-glutamate is the major excitatory neurotransmitter in the central nervous system, and it activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into three groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5, and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3, while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Multiple transcript variants encoding different isoforms have been found for GRM7.

Recommended Dilution

WB: 1: 500 - 1: 2000 IHC: 1: 100 - 1: 300 IF: 1: 200 - 1: 1000 ELISA: 1: 20000

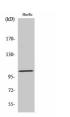
Not yet tested in other applications.

Images

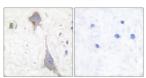


Western Blot analysis of various cells using mGluR-7 Polyclonal Antibody

Western blot analysis of lysates from HUVEC cells, using mGluR7 Antibody. The lane on the right is blocked with the synthesized peptide.







Immunohistochemistry analysis of paraffin-embedded human brain tissue, using mGluR7 Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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