

Anti-mGLUR1 Antibody
Rabbit polyclonal antibody to mGLUR1
Catalog # AP60191**Specification**

Anti-mGLUR1 Antibody - Product Information

Application	WB
Primary Accession	Q13255
Other Accession	P97772
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	132357

Anti-mGLUR1 Antibody - Additional Information**Gene ID** 2911**Other Names**

GPRC1A; MGLUR1; Metabotropic glutamate receptor 1; mGluR1

Target/Specificity

Recognizes endogenous levels of mGLUR1 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-mGLUR1 Antibody - Protein Information**Name** GRM1**Synonyms** GPRC1A, MGLUR1**Function**

G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors. Signaling activates a phosphatidylinositol- calcium second messenger system. May participate in the central action of glutamate in the CNS, such as long-term potentiation in the hippocampus and long-term depression in the cerebellum (PubMed:24603153, PubMed:28886343, PubMed:28886343).

[7476890](http://www.uniprot.org/citations/7476890)). May function in the light response in the retina (By similarity). Induces GRID1 and GRID2 cation-channel activation via GNAQ-PLC-PKC pathway in dopaminergic neurons and cerebellar Purkinje cell, respectively (PubMed: [24357660](http://www.uniprot.org/citations/24357660), PubMed: [27276689](http://www.uniprot.org/citations/27276689)).

Cellular Location

Cell membrane; Multi-pass membrane protein. Postsynaptic cell membrane; Multi-pass membrane protein. Cell projection, dendrite {ECO:0000250|UniProtKB:P97772}. Note=Located in dendrites, small dendrites that makes up a brush structure found as the terminal specialization of a dendrite of a unipolar brush cell {ECO:0000250|UniProtKB:P97772}

Tissue Location

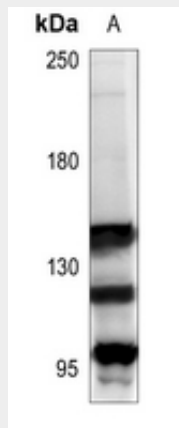
Detected in brain..

Anti-mGLUR1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-mGLUR1 Antibody - Images



Western blot analysis of mGLUR1 expression in HeLa (A) whole cell lysates.

Anti-mGLUR1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human mGLUR1. The exact sequence is proprietary.