



Rabbit anti GPCR119 Polyclonal Antibody

Alternative Name(s): G-Protein coupled receptor 119; Gpr119;

Order Information

- **Description:** GPCR119
- **Catalogue:** 600-710
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Ms

ANTIGEN PREPARATION

A synthetic peptide corresponding to the extracellular domain of mouse GPR 119 protein. This sequence is identical to rat.

BACKGROUND

G protein-coupled receptors (GPRs) are a protein family of transmembrane receptors that transmit an extracellular signal (ligand binding) into an intra cellular signal (G protein activation). GPR signaling is an evolutionarily ancient mechanism used by all eukaryotes to sense environmental stimuli and mediate cell-cell communication. All of the receptors have seven membrane- spanning domains and the extracellular parts of the receptor can be glycosylated. These extracellular loops also contain two highly conserved cysteine residues which create disulfide bonds to stabilize the receptor structure. GPR119 is a 335 amino acid protein that is mainly expressed in the pancreas. It is an endogenous receptor for lysophosphatidylcholine (LPC), which is a lipid mediator involved in insulin secretion from pancreatic β cells. GPR119 may participate in this insulin secretion, suggesting that it may be potential target for new anti-diabetic drugs.

PURIFICATION

The Rabbit IgG is purified by Epitope Affinity Purification

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes ~37 kDa of GPR 119 protein. It reacts with mouse and rat. The other species are not tested.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 37.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

FOR RESEARCH USE ONLY.

AbboMax, Inc 2528 Qume Drive, Suite 8, San Jose, California 95131, USA
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*Optimal dilutions should be determined by researchers for the specific applications.

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DATA ATTACHMENTS

66kDa-
55kDa-
45kDa-
30kDa-
21kDa-



Western Blot: The Cell lysate derived from MS1 (Lane 1) and Mouse brain (Lane 2) were resolved onto 10% SDS-PAGE, transferred onto NC membrane, and immuno-blotted by Rb anti GPR119 (Cat#600-710) at 1:1000. An immunoreactive band around ~37 kDa was observed.

REFERENCES

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