

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GPR119 (V227) Peptide

Cat No.: BS2606P

Background

G protein-coupled receptors (GPRs) are a protein family of transmembrane receptors that transmit an extracellular signal (ligand binding) into an intracellular 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 cells. GPR119 may participate in this insulin secretion, suggesting that it may be a potential target for new anti-diabetic drugs.

Swiss-Prot

Q8TDV5

Applications

Blocking

Specificity

This peptide can be used with studies using BS2606 GPR119 (V227) pAb.

Purification & Purity

Synthetic peptide GPR119 (V227). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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