GPR119 (V227) polyclonal antibody

Catalog: BS2606 Host: Rabbit Reactivity: Human,Mouse,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 is a lipid mediator involved in insulin secretion from pancreatic cells. GPR119 may participate in this insulin secretion, suggesting that it may be potential target for new anti-diabetic drugs.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 37 kDa

Swiss-Prot:

Q8TDV5

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000
IHC: 1:50~1:200 IF: 1:50~1:200

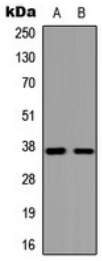
Storage&Stability:

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

Specificity:

GPR119 (V227) polyclonal antibody detects endogenous levels of GPR119 protein.

DATA:



Note:

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

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