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Product datasheet for TA354528

GPR119 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to the extracellular domain of mouse GPR 119 protein. This sequence is identical to rat.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~37 kDa
Gene Name:	G protein-coupled receptor 119
Database Link:	NP_848566 Entrez Gene 236781 Mouse Q8TDV5

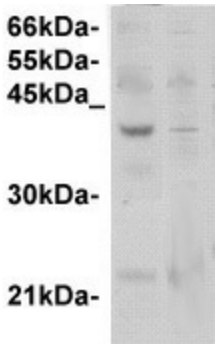
View online »

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.

Synonyms: GPCR2

Protein Families: Druggable Genome, GPCR, Transmembrane

Product images:



WB: The Cell lysate derived from MS1 (Lane 1) and Mouse brain (Lane 2) were resolved onto 1% SDSPAGE, transferred onto NC membrane, and immunoblotted by Rb anti-GPR119 at 1:1000. An immunoreactive band around ~37 kDa was observed.