

**Goat Anti-GPR119 Antibody**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF1491a****Specification**

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**Goat Anti-GPR119 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q8TDV5</a>
Other Accession	<a href="#">NP_848566</a> , <a href="#">139760</a>
Reactivity	Human
Predicted	Mouse, Pig
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	36889

**Goat Anti-GPR119 Antibody - Additional Information****Gene ID** 139760**Other Names**

Glucose-dependent insulintropic receptor, G-protein coupled receptor 119, GPR119

**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat Anti-GPR119 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-GPR119 Antibody - Protein Information****Name** GPR119**Function**

Receptor for the endogenous fatty-acid ethanolamide oleoylethanolamide (OEA) and lysophosphatidylcholine (LPC). Functions as a glucose-dependent insulintropic receptor. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Seems to act through a G(s) mediated pathway.

**Cellular Location**

Cell membrane; Multi-pass membrane protein.

#### **Tissue Location**

Predominantly expressed in the pancreas, especially in the islets.

#### **Goat Anti-GPR119 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](#)

#### **Goat Anti-GPR119 Antibody - Images**



AF1491a (0.3 µg/ml) staining of Human Ovary lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

#### **Goat Anti-GPR119 Antibody - Background**

This gene encodes a member of the rhodopsin subfamily of G-protein-coupled receptors that is expressed in the pancreas and gastrointestinal tract. The encoded protein is activated by lipid amides including lysophosphatidylcholine and oleoylethanolamide and may be involved in glucose homeostasis. This protein is a potential drug target in the treatment of type 2 diabetes.

#### **Goat Anti-GPR119 Antibody - References**

A conserved aromatic lock for the tryptophan rotameric switch in TM-VI of seven-transmembrane receptors. Holst B, et al. J Biol Chem, 2010 Feb 5. PMID 19920139.  
N-oleoyldopamine enhances glucose homeostasis through the activation of GPR119. Chu ZL, et al. Mol Endocrinol, 2010 Jan. PMID 19901198.  
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Morgan NG, et al. Biochem Pharmacol, 2009 Dec 15. PMID 19660440.