

Goat Anti-GPR142 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1493a**Specification**

Goat Anti-GPR142 Antibody - Product Information

Application	WB, E
Primary Accession	Q7Z601
Other Accession	NP_861455 , 350383
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	51106

Goat Anti-GPR142 Antibody - Additional Information**Gene ID** 350383**Other Names**

Probable G-protein coupled receptor 142, G-protein coupled receptor PGR2, GPR142, PGR2

Dilution

WB~~1:1000

E~~N/A

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-GPR142 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-GPR142 Antibody - Protein Information**Name** GPR142**Synonyms** PGR2**Function**

Orphan receptor.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Exclusively expressed in the central nervous system, most abundantly in the ventrolateral region of caudate putamen, the habenular nucleus, the zona incerta, and the medial mammillary nucleus.

Goat Anti-GPR142 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-GPR142 Antibody - Images

AF1493a (1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-GPR142 Antibody - Background

GPR142 is a member of the rhodopsin family of G protein-coupled receptors (GPRs) (Fredriksson et al., 2003 [PubMed 14623098]).

Goat Anti-GPR142 Antibody - References

Molecular cloning and characterization of a novel Gq-coupled orphan receptor GPRg1 exclusively expressed in the central nervous system. Matsuo A, et al. Biochem Biophys Res Commun, 2005 May 27. PMID 15845401.

Seven evolutionarily conserved human rhodopsin G protein-coupled receptors lacking close relatives. Fredriksson R, et al. FEBS Lett, 2003 Nov 20. PMID 14623098.

The G protein-coupled receptor repertoires of human and mouse. Vassilatis DK, et al. Proc Natl Acad Sci U S A, 2003 Apr 15. PMID 12679517.

Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences.

Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.