

**Goat Anti-NPFFR1 Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF1743a

**Specification**

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**Goat Anti-NPFFR1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9GZQ6</a>
Other Accession	<a href="#">NP_071429</a> , <a href="#">64106</a>
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	47819

**Goat Anti-NPFFR1 Antibody - Additional Information**

**Gene ID** 64106

**Other Names**

Neuropeptide FF receptor 1, G-protein coupled receptor 147, RFamide-related peptide receptor OT7T022, NPFFR1, GPR147, NPFF1

**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-NPFFR1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat Anti-NPFFR1 Antibody - Protein Information**

**Name** NPFFR1 ([HGNC:17425](#))

**Synonyms** GPR147, NPFF1

**Function**

Receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. Can also be activated by a variety of naturally occurring or synthetic FMRF-amide like ligands. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.

## Cellular Location

Cell membrane; Multi-pass membrane protein

## Goat Anti-NPFFR1 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-NPFFR1 Antibody - Images



AF1743a (0.03 µg/ml) staining of Human Brain (Cerebellum) lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Goat Anti-NPFFR1 Antibody - References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. *Mol Med*, 2010 Jul-Aug. PMID 20379614.

Identification of human GnIH homologs, RFRP-1 and RFRP-3, and the cognate receptor, GPR147 in the human hypothalamic pituitary axis. Ubuka T, et al. *PLoS One*, 2009 Dec 22. PMID 20027225.

A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. Grupe A, et al. *Am J Hum Genet*, 2006 Jan. PMID 16385451.

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.

New neuropeptides containing carboxy-terminal RFamide and their receptor in mammals. Hinuma S, et al. *Nat Cell Biol*, 2000 Oct. PMID 11025660.