

Goat Anti-NPFFR1 Antibody

Peptide-affinity purified goat antibody Catalog # AF1743a

Specification

Goat Anti-NPFFR1 Antibody - Product Information

Application WB, E
Primary Accession Q9GZO6

Other Accession NP_071429, 64106

Reactivity
Host
Clonality
Concentration
Isotype
Human
Goat
Polyclonal
100ug/200ul
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

Dilution

WB~~1:1000

 $E \sim N/A$

Format

0.5 mg lgG/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



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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

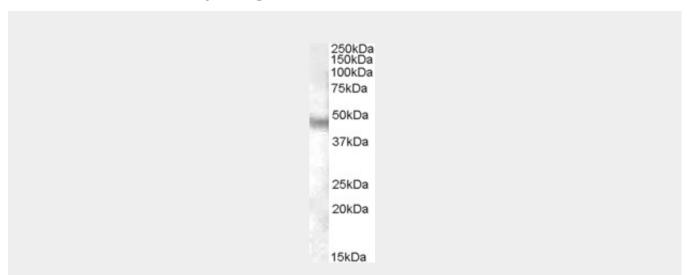
Cell membrane; Multi-pass membrane protein

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 Cytomety
- 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 guit-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.