

**NPFFR2 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13867a****Specification**

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**NPFFR2 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9Y5X5](#)**NPFFR2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 10886**Other Names**

Neuropeptide FF receptor 2, G-protein coupled receptor 74, G-protein coupled receptor HLWAR77, Neuropeptide G-protein coupled receptor, NPFFR2, GPR74, NPFF2, NPGPR

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13867a was selected from the N-term region of NPFFR2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NPFFR2 Antibody (N-term) Blocking peptide - Protein Information****Name** NPFFR2**Synonyms** GPR74, NPFF2, NPGPR**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.

**Tissue Location**

Isoform 1 is abundant in placenta. Relatively highly expressed in thymus, testis, and small

intestine. Expressed at low levels in several tissues including spleen, prostate, brain, heart, ovary, colon, kidney, lung, liver and pancreas and not expressed in skeletal muscle and leukocytes. Isoform 2 expression is highest in placenta (but at relatively low level compared to isoform 1). Very low level of expression in numerous tissues including adipose tissue and many brain regions. Isoform 3 is expressed in brain and heart and, at lower levels, in kidney, liver, lung and pancreas

### **NPFFR2 Antibody (N-term) Blocking peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

### **NPFFR2 Antibody (N-term) Blocking peptide - Images**

### **NPFFR2 Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of a subfamily of G-protein-coupled neuropeptide receptors. This protein is activated by the neuropeptides A-18-amide (NPAF) and F-8-amide (NPFF) and may function in pain modulation and regulation of the opioid system. Alternative splicing results in multiple transcript variants.

### **NPFFR2 Antibody (N-term) Blocking peptide - References**

Talmont, F., et al. Peptides 31(2):215-220(2010) Goncharuk, V., et al. Peptides 29(9):1544-1553(2008) Dahlman, I., et al. Am. J. Hum. Genet. 80(6):1115-1124(2007) Anko, M.L., et al. FEBS Lett. 580(30):6955-6960(2006) Dowal, L., et al. J. Biol. Chem. 281(33):23999-24014(2006)