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NPFFR2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP13867a

Specification

NPFFR2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	O9Y5X5
Other Accession	NP_004876.2, NP_444264.1, NP_001138228.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**60270**
Antigen Region	**3-32**

NPFFR2 Antibody (N-term) - Additional Information

Gene ID 10886

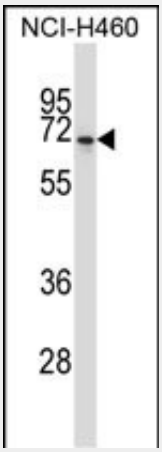
Other Names
Neuropeptide FF receptor 2, G-protein coupled receptor 74, G-protein coupled receptor HLWAR77, Neuropeptide G-protein coupled receptor, NPFFR2, GPR74, NPFF2, NPGPR

Target/Specificity
This NPFFR2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 3-32 amino acids from the N-terminal region of human NPFFR2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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



NPFFR2 Antibody (N-term) (Cat. #AP13867a) western blot analysis in NCI-H460 cell line lysates (35ug/lane).This demonstrates the NPFFR2 antibody detected the NPFFR2 protein (arrow).

NPFFR2 Antibody (N-term) - 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) - 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)

cycles.

Precautions
NPFFR2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NPFFR2 Antibody (N-term) - 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) - 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