Neuropeptide FF2 Receptor Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Neuropeptide FF2 Receptor (NPFFR2), Polyclonal Antibody
Full Product Name	Neuropeptide FF2 Receptor (NPFF2, G-protein Coupled Receptor 74, GPR74, G-protein Coupled Receptor HLWAR77, HLWAR77, Neuropeptide FF-2, NPFF2, Neuropeptide FF Receptor 2, NPFFR2, Neuropeptide G-protein Coupled Receptor, NPGPR)
Product Gene Name	anti-NPFFR2 antibody
Product Synonym Names	Anti -Neuropeptide FF2 Receptor (NPFF2, G-protein Coupled Receptor 74, GPR74, G-protein Coupled Receptor HLWAR77, HLWAR77, Neuropeptide FF-2, NPFF2, Neuropeptide FF Receptor 2, NPFFR2, Neuropeptide G-protein Coupled Receptor, NPGPR)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Purity/Purification	As reported
Specificity	Reacts with the N terminal sequence MNEKWDTNSSENWHPI and the C terminal sequence ELVMEELKETTNSSEI of the human NPFF2 protein.
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot Store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	60,270 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (72897521..73013918). Location: 4q21
OMIM	607449
3D Structure	ModBase 3D Structure for Q9Y5X5
Product Categories/Family for anti-NPFFR2 antibody	Antibodies; Abs to G Protein Receptors
Applications Tested/Suitable for anti-NPFFR2 antibody	Western Blot (WB)
Application Notes for anti-NPFFR2 antibody	Suitable for use in Western Blot.
Related Product Information for anti-NPFFR2 antibody	The central nervous system neuropeptide FF (NPFF), is believed to play a role in pain modulation and opiate tolerance as well as other physiological functions. Two G protein-coupled receptors, NPFF1 and NPFF2, were isolated from the human central nervous system.
Other Notes	Small volumes of anti-NPFFR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NPFFR2 purchase	MBS613892 is an antibody targeting NPFFR2. Also known as Neuropeptide FF2 Receptor (NPFF2, G-protein Coupled Receptor 74, GPR74, G-protein Coupled Receptor HLWAR77, HLWAR77, Neuropeptide FF-2, NPFF2, Neuropeptide FF Receptor 2, NPFFR2, Neuropeptide G-protein Coupled Receptor, NPGPR). Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NPFFR2. It may not necessarily be applicable to this product.

NCBI GI #	221316654
NCBI GeneID	10886
NCBI Accession #	NP_004876.2
UniProt Primary Accession #	Q9Y5X5
UniProt Secondary Accession #	Q96RV1; Q9NR49
UniProt Related Accession #	Q9Y5X5
GenBank Nucleotide #	NM_004885.2
NCBI Official Full Name	neuropeptide FF receptor 2 isoform 1
NCBI Official Synonym Full Names	neuropeptide FF receptor 2
NCBI Official Symbol	NPFFR2
NCBI Official Synonym Symbols	GPR74; NPFF2; NPGPR; HLWAR77
UniProt Protein Name	Neuropeptide FF receptor 2
UniProt Synonym Protein Names	G-protein coupled receptor 74; G-protein coupled receptor HLWAR77; Neuropeptide G-protein coupled receptor
Protein Family	Neuropeptide FF receptor
UniProt Gene Name	NPFFR2
UniProt Synonym Gene Names	GPR74; NPFF2; NPGPR
UniProt Entry Name	NPFF2_HUMAN
NCBI Protein Information	neuropeptide FF receptor 2; neuropeptide FF 2; OTTHUMP00000160367; OTTHUMP00000160368; OTTHUMP00000160369; G protein-coupled receptor 74; G-protein coupled receptor 74; G-protein coupled receptor HLWAR77; neuropeptide G-protein coupled receptor
NCBI Summary for NPFFR2	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. [provided by RefSeq]
UniProt Comments for NPFFR2	NPFFR2: 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. Belongs to the G-protein coupled receptor 1 family. 4 isoforms of the human protein are produced by alternative splicing. Protein type: GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral; Receptor, GPCR Chromosomal Location of Human Ortholog: 4q21 Cellular Component: integral to plasma membrane; plasma membrane; actin cytoskeleton Molecular Function: opioid receptor binding; G-protein coupled receptor activity; neuropeptide receptor activity; peptide binding Biological Process: regulation of adenylate cyclase activity; G-protein coupled receptor protein signaling pathway; synaptic transmission; neuropeptide signaling pathway; regulation of MAPKKK cascade; detection of abiotic stimulus; cellular response to hormone stimulus
Research Articles on NPFFR2	**1.** Besides regulation of reproduction, kisspeptins have a potential to mediate physiological effects on autonomic regulation and nociception in humans via the NPFF2R pathways.

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