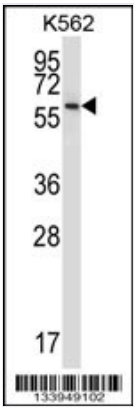
NPFFR1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NPFFR1, Polyclonal Antibody
Full Product Name	NPFFR1 Antibody (C-term)
Product Gene Name	anti-NPFFR1 antibody
Product Synonym Names	Neuropeptide FF receptor 1; G-protein coupled receptor 147; RFamide-related peptide receptor OT7T022; NPFFR1; GPR147; NPFF1
Clonality	Polyclonal
Isotype	Rabbit Ig
Host	Rabbit
Species Reactivity	Human
Form/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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Specificity	This NPFFR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 337-366 amino acids from the C-terminal region of human NPFFR1.
Preparation and 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 cycles.
Antibody/Peptide Pairs	NPFFR1 peptide (MBS9220554) is used for blocking the activity of NPFFR1 antibody (MBS9201462)
Molecular Weight	47819
Immunogen Sequence Positions	337-366
OMIM	607448
3D Structure	ModBase 3D Structure for Q9GZQ6
Clone Names	RB33949
Cellular location	Cell membrane; Multi-pass membraneprotein.
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.
Product Categories/Family for anti-NPFFR1 antibody	Neuroscience; Signal Transduction; GPCR Antibodies
Applications Tested/Suitable for anti-NPFFR1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NPFFR1 antibody	WB~~1:1000
Related Product Information for anti-NPFFR1 antibody	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.

Product References and Citations for anti-NPFFR1 antibody	Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Ubuka, T., et al. PLoS ONE 4 (12), E8400 (2009) : Dowal, L., et al. J. Biol. Chem. 281(33):23999-24014(2006) Grupe, A., et al. Am. J. Hum. Genet. 78(1):78-88(2006) Bonini, J.A., et al. J. Biol. Chem. 275(50):39324-39331(2000)
Other Notes	Small volumes of anti-NPFFR1 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 NPFFR1 purchase	MBS9201462 is an antibody targeting NPFFR1. Also known as NPFFR1 Antibody (C-term). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NPFFR1 antibody
NPFFR1 Antibody (C-term) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the NPFFR1 antibody detected the NPFFR1 protein (arrow).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NPFFR1. It may not necessarily be applicable to this product.

NCBI GI #	11545887
NCBI GeneID	64106
NCBI Accession #	NP_071429.1
UniProt Primary Accession #	Q9GZQ6
UniProt Secondary Accession #	Q8NGR0; Q96RN3; A2RRF0
UniProt Related Accession #	Q9GZQ6
GenBank Nucleotide #	NM_022146.4
NCBI Official Full Name	neuropeptide FF receptor 1
NCBI Official Synonym Full Names	neuropeptide FF receptor 1
NCBI Official Symbol	NPFFR1
NCBI Official Synonym Symbols	NPFF1; GPR147; NPFF1R1; OT7T022
UniProt Protein Name	Neuropeptide FF receptor 1
UniProt Synonym Protein Names	G-protein coupled receptor 147; RFamide-related peptide receptor OT7T022
Protein Family	Neuropeptide FF receptor
UniProt Gene Name	NPFFR1
UniProt Synonym Gene Names	GPR147; NPFF1
UniProt Entry Name	NPFF1_HUMAN

NCBI Protein Information	neuropeptide FF receptor 1
UniProt Comments for NPFFR1	NPFFR1: 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. Protein type: GPCR, family 1; Receptor, GPCR; Membrane protein, integral; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 10q21-q22 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; neuropeptide receptor activity; peptide binding Biological Process: synaptic transmission; neuropeptide signaling pathway; cellular response to hormone stimulus
Research Articles on NPFFR1	**1.** RFRP-3/GPR147 may play secondary, modulatory roles on the regulation of pubertal development; a restraining modulatory effect of the NPVF p.I71_K72 variant on the activation of the gonadotrophic axis cannot be ruled out
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