Neuropeptide Ff (NPFF) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Neuropeptide FF (NPFF), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Neuropeptide FF (NPFF)
Product Gene Name	anti-NPFF antibody
Product Synonym Names	FMRFAL; Neuropeptide FF-Amide Peptide Precursor; Pro-FMRFamide-related neuropeptide FF
Immunogen Sequence	Leu15~Lys1 13
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid; PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Purity/Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Concentration	500ug/ml (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against NPFF. It has been selected for its ability to recognize NPFF in immunohistochemical staining and western blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Aliquot and store at -20 degree C for 12 months. Avoid repeated freeze/thaw cycles. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) Immunogen: NPFF (MBS2097650)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) Biotin Conjugated Antibody: NPFF (MBS2113733)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) FITC Conjugated Antibody: NPFF (MBS2115031)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) HRP Conjugated Antibody: NPFF (MBS2116374)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) APC-CY7 Conjugated Antibody: NPFF (MBS2117718)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) PE Conjugated Antibody: NPFF (MBS2119062)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) APC Conjugated Antibody: NPFF (MBS2120406)
Matching Pairs	Unconjugated Antibody: NPFF (MBS2112466) Cy3 Conjugated Antibody: NPFF (MBS2121893)
Molecular Weight	13,012 Da
3D Structure	ModBase 3D Structure for Q9WVA8

Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen Sequence	Leu15~Lys113
Cross Reactivity	Mouse
Conjugation	None
Product Categories/Family for anti-NPFF antibody	Neuro Science
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-NPFF antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunoprecipitation (IP)
Application Notes for anti-NPFF antibody	WB: 0.5-2ug/mL IHC: 5-20ug/mL ICC: 5-20ug/mL
Related Product Information for anti-NPFF antibody	MBS2112466 is an antibody targeting NPFF. Also known as Polyclonal Antibody to Neuropeptide FF (NPFF). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-NPFF 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.

ADDITIONAL DETAILS

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

NCBI GI #	9055294
NCBI GeneID	54615
NCBI Accession #	NP_061257.1
UniProt Primary Accession #	Q9WVA8
UniProt Related Accession #	Q9WVA8
GenBank Nucleotide #	NM_018787.1
NCBI Official Full Name	pro-FMRFamide-related neuropeptide FF preproprotein
NCBI Official Synonym Full Names	neuropeptide FF-amide peptide precursor
NCBI Official Symbol	Npff
UniProt Protein Name	Pro-FMRFamide-related neuropeptide FF
UniProt Synonym Protein Names	FMRFamide-related peptides
Protein Family	Pro-FMRFamide-related neuropeptide
UniProt Gene Name	Npff
UniProt Synonym Gene Names	NPSF; NPFF; NPAF
NCBI Protein Information	pro-FMRFamide-related neuropeptide FF
NCBI Summary for NPFF	This gene encodes neuropeptides involved in analgesia, cardiovascular regulation, neuroendocrine function and opiate addiction. The encoded protein is a preproprotein that undergoes further processing to generate multiple amidated peptides. [provided by RefSeq, Jul 2015]
UniProt Comments for NPFF	Morphine modulating peptides. Have wide-ranging physiologic effects, including the modulation of morphine-induced analgesia, elevation of arterial blood pressure, and increased somatostatin secretion from the pancreas. Neuropeptide FF potentiates and sensitizes ASIC1 and ASIC3 channels.

Research Articles on NPFF	**1.** Down-regulation of nitric oxide (NO) synthases (NOSs) partially significantly inhibited the viability augmentation of macrophages induced by Npff, implying a nitric oxide synthases- dependent pathway is involved.
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