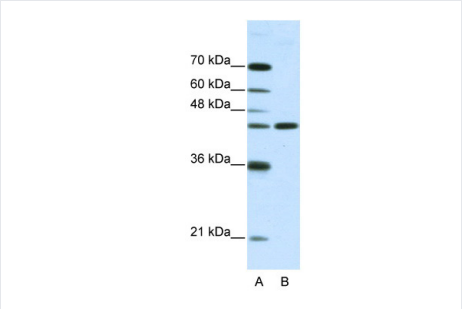
NMUR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NMUR2, Polyclonal Antibody
Full Product Name	NMUR2 antibody - N-terminal region
Product Gene Name	anti-NMUR2 antibody
Product Synonym Gene Name	FM4; FM-4; TGR1; NMU2R; TGR-1; NMU-R2
Immunogen Sequence	Synthetic peptide located within the following region: MSGMEKLQNA SWIYQQKLED PFQKHLNSTE EYLAFLCGPR RSHFFLPVSV
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Purity/Purification	Protein A purified
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.
Antibody/Peptide Pairs	NMUR2 peptide (MBS3227496) is used for blocking the activity of NMUR2 antibody (MBS3202519)
Molecular Weight	46kDa
OMIM	605108
3D Structure	ModBase 3D Structure for Q9GZQ4
Homology	Human: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human NMUR2
Product Categories/Family for anti-NMUR2 antibody	Polyclonal; Neurobiology; Lymphocyte Signaling; Receptors; GPCR
Applications Tested/Suitable for anti-NMUR2 antibody	Western Blot (WB)
Related Product Information for anti-NMUR2 antibody	This is a rabbit polyclonal antibody against NMUR2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: NMUR2 encodes for one of two G-protein-coupled receptors for the neuropeptide, neuromedin U. This peptide is found in highest levels in the gut and genitourinary system where it potently contracts smooth muscle but is also expressed in the spinal cord and discrete regions of the brain. NMUR2 is highly expressed in the central nervous system.
Other Notes	Small volumes of anti-NMUR2 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 NMUR2 purchase	MBS3202519 is an antibody targeting NMUR2. Also known as NMUR2 antibody - N-terminal region. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-NMUR2 antibody
WB Suggested Anti-NMUR2 AntibodyTitration: 2.5 ug/mlPositive Control: HepG2 Whole Cell

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NMUR2. It may not necessarily be applicable to this product.

NCBI GI #	170932505
NCBI GeneID	56923
NCBI Accession #	NP_064552
UniProt Primary Accession #	Q9GZQ4
UniProt Related Accession #	Q9GZQ4
GenBank Nucleotide #	NM_020167
NCBI Official Full Name	neuromedin-U receptor 2
NCBI Official Synonym Full Names	neuromedin U receptor 2
NCBI Official Symbol	NMUR2
NCBI Official Synonym Symbols	FM4; FM-4; TGR1; NMU2R; TGR-1; NMU-R2
UniProt Protein Name	Neuromedin-U receptor 2
UniProt Synonym Protein Names	G-protein coupled receptor FM-4; G-protein coupled receptor TGR-1
Protein Family	Neuromedin-U receptor
UniProt Gene Name	NMUR2
UniProt Synonym Gene Names	NMU2R; TGR1; NMU-R2
UniProt Entry Name	NMUR2_HUMAN
NCBI Protein Information	neuromedin-U receptor 2
NCBI Summary for NMUR2	This gene encodes a protein from the G-protein coupled receptor 1 family. This protein is a receptor for neuromedin U, which is a neuropeptide that is widely distributed in the gut and central nervous system. This receptor plays an important role in the regulation of food intake and body weight. [provided by RefSeq, Jul 2008]

UniProt Comments for NMUR2	NMUR2: Receptor for the neuromedin-U and neuromedin-S neuropeptides. Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, integral; GPCR, family 1; Receptor, GPCR; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 5q33.1 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; GTP binding; intracellular calcium activated chloride channel activity; neuromedin U receptor activity; neuromedin U binding Biological Process: grooming behavior; regulation of smooth muscle contraction; inositol phosphate-mediated signaling; central nervous system development; calcium-mediated signaling; chloride transport; response to pain; arachidonic acid secretion; reduction of food intake in response to dietary excess; elevation of cytosolic calcium ion concentration; cell-cell signaling; neuropeptide signaling pathway; calcium ion transport; calcium-dependent phospholipase A2 activation; G-protein signaling, coupled to IP3 second messenger (phospholipase C activating); feeding behavior
Research Articles on NMUR2	**1.** NMU might contribute to progression of NMUR2-positive breast cancer
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