NTSR1 Antibody – Rabbit Polyclonal

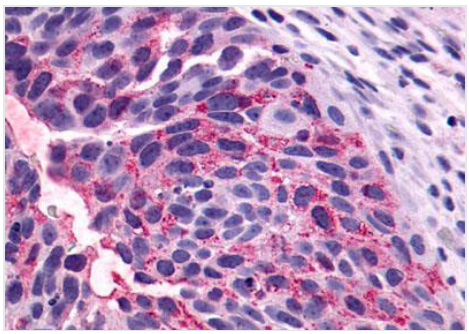
PRODUCT OVERVIEW

Product Name	NTSR1 / NTR, Polyclonal Antibody
Full Product Name	Rabbit Polyclonal to Human NTSR1 / NTR
Product Gene Name	anti-NTSR1 antibody
Product Synonym Gene Name	NTR
Product Synonym Names	Anti-NTSR1 / NTR Antibody (Cytoplasmic Domain) IHC-plus; NTSR1; Neurotensin receptor type 1; NT-1r; NT1 receptor; NTR; NTS1; Neurotensin receptor 1; NT-R-1; NTR1; NTRH; NTRR; Neurotensin receptor ntr1; NTS-1; Neurotensin type 1 receptor; NT receptor-1; RNTR1; Human NTSR1; NTR
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Gorilla, Human **Predicted Reactivity:** Monkey (at least 90% immunogen sequence identity)
Form/Format	PBS, 0.1% sodium azide.
Purity/Purification	Immunoaffinity Purified
Concentration	1 mg/ml (lot specific)
Specificity	Human NTSR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Preparation and Storage	Long term: -70 degree C; Short term: +4 degree C
Molecular Weight	46,259 Da
OMIM	162651
3D Structure	ModBase 3D Structure for P30989
Target Species	Human
Immunogen Description	Synthetic 17 amino acid peptide from 3rd cytoplasmic domain of human NTSR1. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Monkey (94%); Marmoset, Panda, Dog, Horse (88%).
Immunogen Type	Synthetic peptide
Immunogen	NTSR1 / NTR antibody was raised against synthetic 17 amino acid peptide from 3rd cytoplasmic domain of human NTSR1. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Monkey (94%); Marmoset, Panda, Dog, Horse (88%).
Antigen Modification	Cytoplasmic Domain
Product Categories/Family for anti-NTSR1 antibody	Family: GPCR; Subfamily: Neurotensin
Applications Tested/Suitable for anti-NTSR1 antibody	Immunohistochemistry (IHC - Paraffin)
Application Notes for anti-NTSR1 antibody	IHC-P (16 ug/ml)
Related Product Information for anti-NTSR1 antibody	NTR1, a Neurotensin Receptor, activates a phosphatidylinositol-calcium second messenger system in the central and peripheral nervous systems. It mediates the functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. Neurotensin Receptor 1 expression is enhanced in pancreatic cancer and in chronic pancreatitis (Wang et al, 2000).

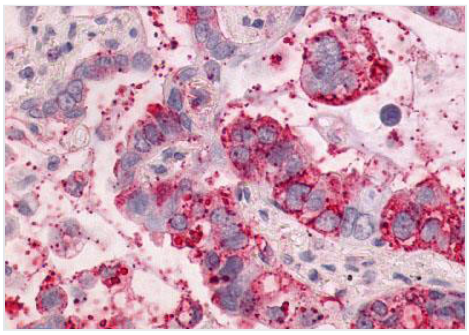
Other Notes	Small volumes of anti-NTSR1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NTSR1 purchase	MBS246707 is an antibody targeting NTSR1. Also known as Rabbit Polyclonal to Human NTSR1 / NTR. Reactive in Gorilla, Human **Predicted Reactivity:** Monkey (at least 90% immunogen sequence identity). Host: Rabbit.



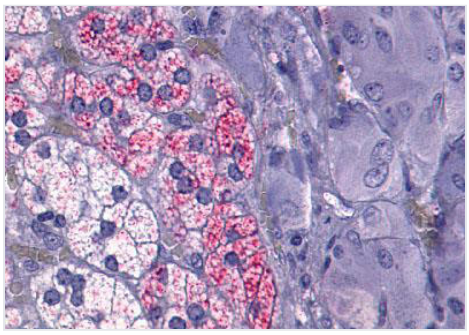
Immunohistochemistry (IHC) of anti-NTSR1 antibody
Anti-NTSR1 / NTR antibody IHC of human Ovary, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



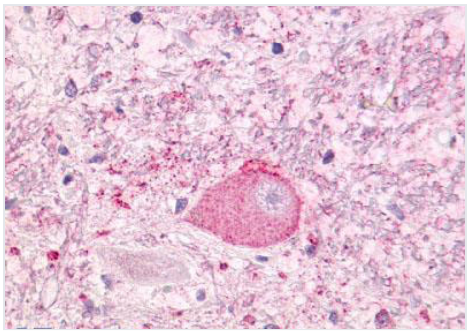
Immunohistochemistry (IHC) of anti-NTSR1 antibody
Anti-NTSR1 / NTR antibody IHC of human Bladder, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (IHC) of anti-NTSR1 antibody
Anti-NTSR1 / NTR antibody IHC of human Lung, Adenocarcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (IHC) of anti-NTSR1 antibody
Anti-NTSR1 / NTR antibody IHC of human Adrenal, Pheochromocytoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry (IHC) of anti-NTSR1 antibody
Anti-NTSR1 antibody IHC of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NTSR1. It may not necessarily be applicable to this product.

NCBI GI #	110611243
NCBI GeneID	4923
NCBI Accession #	NP_002522.2
UniProt Primary Accession #	P30989

UniProt Secondary Accession #	Q9H4H1; Q9H4T5
UniProt Related Accession #	P30989
GenBank Nucleotide #	NM_002531.2
NCBI Official Full Name	neurotensin receptor type 1
NCBI Official Synonym Full Names	neurotensin receptor 1 (high affinity)
NCBI Official Symbol	NTSR1
NCBI Official Synonym Symbols	NTR
UniProt Protein Name	Neurotensin receptor type 1
UniProt Synonym Protein Names	High-affinity levocabastine-insensitive neurotensin receptor; NTRH
Protein Family	Neurotensin receptor
UniProt Gene Name	NTSR1
UniProt Synonym Gene Names	NTRR; NT-R-1; NTR1
UniProt Entry Name	NTR1_HUMAN
NCBI Protein Information	neurotensin receptor type 1; NTR1; NTRH; NT-R-1; high-affinity levocabastine-insensitive neurotensin receptor
NCBI Summary for NTSR1	Neurotensin receptor 1 belongs to the large superfamily of G-protein coupled receptors. NTSR1 mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. [provided by RefSeq, Jul 2008]
UniProt Comments for NTSR1	NTSR1: Receptor for the tridecapeptide neurotensin. It is associated with G proteins that activate a phosphatidylinositol- calcium second messenger system. Belongs to the G-protein coupled receptor 1 family. Neurotensin receptor subfamily. NTSR1 sub-subfamily. Protein type: Membrane protein, integral; Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 20q13 Cellular Component: Golgi apparatus; integral to plasma membrane; endoplasmic reticulum; plasma membrane; lipid raft Molecular Function: G-protein coupled receptor activity; neurotensin receptor activity, G-protein coupled; protein binding Biological Process: synaptic transmission; G-protein coupled receptor protein signaling pathway; neuropeptide signaling pathway; adult locomotory behavior; negative regulation of apoptosis
Research Articles on NTSR1	**1.** The current study investigated whether genetic polymorphisms in the NTR1 gene (rs6090453C/G, rs6011914C/G, and rs2427422A/G) were associated with the performance on verbal and visual learning.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-gorilla-human-monkey-antibody/ntsr1-ntr/246707