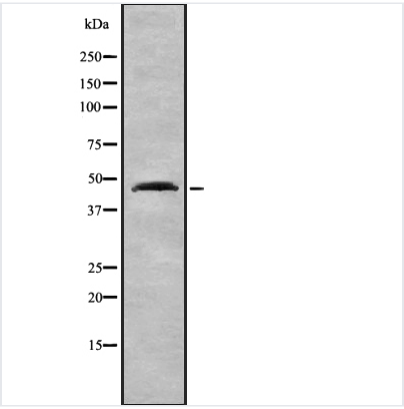
NTR2 Antibody – Rabbit Polyclonal

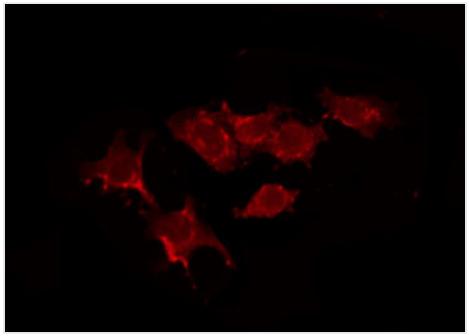
PRODUCT OVERVIEW

Product Name	NTR2, Polyclonal Antibody
Full Product Name	NTR2 Antibody
Product Gene Name	anti-NTR2 antibody
Product Synonym Gene Name	NTSR2
Product Synonym Names	Levocabastine sensitive neurotensin receptor; Levocabastine-sensitive neurotensin receptor; neurotensin receptor 2; Neurotensin receptor type 2; NT R 2; NT-R-2; NTR2; NTR2 receptor; NTR2_HUMAN; Ntsr2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Peptide affinity purification
Concentration	1mg/ml (lot specific)
Specificity	NTR2 antibody detects endogenous levels of total NTR2
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	NTR2 peptide (MBS9627714) is used for blocking the activity of NTR2 antibody (MBS9609002)
Molecular Weight	45 kDa
3D Structure	ModBase 3D Structure for O95665
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide derived from human NTR2 corresponding to a region within the internal amino acids
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NTR2 antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)
Application Notes for anti-NTR2 antibody	WB: 1:1000-3000 IF/ICC: 1:100-1:500 ELISA: 1:20000-1:40000 The optimal dilution should be determined by the end user. Important Note: For western blots , incubate membrane with diluted Ab in 5% w/v milk, 1X TBS, 0.1% Tween^{R}20 at 4°C with gentle shaking over night.
Related Product Information for anti-NTR2 antibody	Function: Receptor for the tridecapeptide neurotensin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system. Similarity: Belongs to the G-protein coupled receptor 1 family. Neurotensin receptor subfamily. NTSR2 sub-subfamily.

Other Notes	Small volumes of anti-NTR2 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 NTR2 purchase	MBS9609002 is an antibody targeting NTR2. Also known as NTR2 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-NTR2 antibody
Western blot analysis NTR2 using HuvEc whole cell lysates



Immunofluorescene (IF) of anti-NTR2 antibody
MBS9609002 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NTR2. It may not necessarily be applicable to this product.

NCBI GI #	6912538
NCBI GeneID	23620
NCBI Accession #	NP_036476.1
UniProt Primary Accession #	O95665
UniProt Secondary Accession #	Q53QQ5; Q57Z87; Q8IY58; Q8TBH6
UniProt Related Accession #	O95665
GenBank Nucleotide #	NM_012344.3
NCBI Official Full Name	neurotensin receptor type 2
NCBI Official Synonym Full Names	neurotensin receptor 2
NCBI Official Symbol	NTSR2
NCBI Official Synonym Symbols	NTR2
UniProt Protein Name	Neurotensin receptor type 2
UniProt Synonym Protein Names	Levocabastine-sensitive neurotensin receptor
Protein Family	Pre-mRNA-splicing factor
UniProt Gene Name	NTSR2
UniProt Synonym Gene Names	NT-R-2; NTR2
NCBI Protein Information	neurotensin receptor type 2

NCBI Summary for NTR2	The protein encoded by this gene belongs to the G protein-coupled receptor family that activate a phosphatidylinositol-calcium second messenger system. Binding and pharmacological studies demonstrate that this receptor binds neurotensin as well as several other ligands already described for neurotensin NT1 receptor. However, unlike NT1 receptor, this gene recognizes, with high affinity, levocabastine, a histamine H1 receptor antagonist previously shown to compete with neurotensin for low-affinity binding sites in brain. These activities suggest that this receptor may be of physiological importance and that a natural agonist for the receptor may exist. [provided by RefSeq, Jul 2008]
UniProt Comments for NTR2	Receptor for the tridecapeptide neurotensin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.
Research Articles on NTR2	**1.** We showed that expression levels for NTS and NTSR1 varied, that NTSR2 expression was not detectable and that NTSR3 was consistently expressed in all CRC cell lines examined.
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-human-mouse-rat-antibody/ntr2/9609002