# Rabbit anti-Human, Mouse NTSR1 / NTR Polyclonal Antibody | anti-NTSR1 antibody

Rabbit Polyclonal (IgG) to Human NTSR1 / NTR

| CATALOG # | HOST | REACTIVITY | APPLICATIONS |
|---|---|---|---|
| **AAA52044** | **Rabbit** | **Human, Mouse** | **ELISA, Western Blot, Immunohistochemistry** |

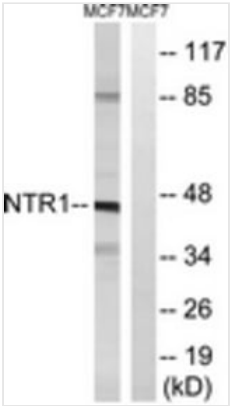
## PRODUCT SYNONYMS

NTSR1 / NTR; Polyclonal Antibody; Rabbit Polyclonal (IgG) to Human NTSR1 / NTR; Anti-NTSR1 / NTR Antibody (aa181-230) 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; anti-NTSR1 antibody

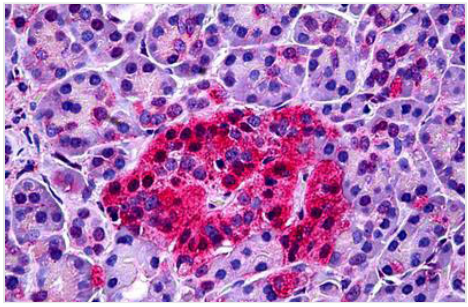
## PRODUCT SPECIFICATIONS

| | |
|---|---|
| **Host** | Rabbit |
| **Reactivity** | Human, Mouse |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Specificity** | NTR1 Antibody detects endogenous levels of total NTR1 protein. |
| **Purity/Purification** | Immunoaffinity Purified |
| **Form/Format** | PBS (without Mg2+, Ca2+), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol |
| **Concentration** | 1 mg/ml (varies by lot) |
| **Sequence Length** | 418 |
| **Applicable Applications for anti-NTSR1 antibody** | ELISA, WB (Western Blot), IHC (Immunohistochemistry) |
| **Target Species** | Human |
| **Immunogen Description** | Synthetic peptide from human NTR1 (aa181-230). |
| **Immunogen** | NTSR1 / NTR antibody was raised against synthetic peptide from human NTR1 (aa181-230). |
| **Antigen Modification** | aa181-230 |
| **Preparation and Storage** | Long term: -20 degree C; Short term: +4 degree C. Avoid repeat freeze-thaw cycles. |

## IMAGES




**WB (Western Blot)**
Western blot of extracts from MCF7 cells, using NTSR1 antibody. The lane on the right is treated with the synthesized peptide.



**IHC (Immunohistochemistry)**
Anti-NTSR1 antibody IHC of human pancreas. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

## ADDITIONAL INFORMATION

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|---|---|
| **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). |
| **Product Categories/Family for anti-NTSR1 antibody** | Family: GPCR; Subfamily: Neurotensin |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 110611243 |
| **NCBI GeneID** | 4923 |
| **NCBI Accession #** | NP_002522.2 |
| **NCBI GenBank Nucleotide #** | NM_002531.2 |
| **UniProt Accession #** | P30989; Q9H4H1; Q9H4T5 |
| **Molecular Weight** | 46,259 Da |
| **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 |
| **NCBI Protein Information** | neurotensin receptor type 1; NTR1; NTRH; NT-R-1; high-affinity levocabastine-insensitive neurotensin receptor |
| **UniProt Protein Name** | Neurotensin receptor type 1 |
| **UniProt Gene Name** | **NTSR1** |
| **UniProt Synonym Gene Names** | NTRR; NT-R-1; NTR1 |
| **UniProt Entry Name** | NTR1_HUMAN |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.