

**NTSR1 / NTR Antibody (Cytoplasmic Domain)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS10213****Specification**

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**NTSR1 / NTR Antibody (Cytoplasmic Domain) - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">P30989</a> |
| Reactivity        | Human                  |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 46kDa KDa              |

**NTSR1 / NTR Antibody (Cytoplasmic Domain) - Additional Information****Gene ID** 4923**Other Names**

Neurotensin receptor type 1, NT-R-1, NTR1, High-affinity levocabastine-insensitive neurotensin receptor, NTRH, NTSR1, NTRR

**Target/Specificity**

Human NTSR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

**Reconstitution & Storage**

Long term: -70°C; Short term: +4°C

**Precautions**

NTSR1 / NTR Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

**NTSR1 / NTR Antibody (Cytoplasmic Domain) - Protein Information****Name** NTSR1**Synonyms** NTRR**Function**

G-protein coupled receptor for the tridecapeptide neurotensin (NTS) (PubMed:<a href="http://www.uniprot.org/citations/8381365" target="\_blank">8381365</a>, PubMed:<a href="http://www.uniprot.org/citations/21725197" target="\_blank">21725197</a>, PubMed:<a href="http://www.uniprot.org/citations/23140271" target="\_blank">23140271</a>). Signaling is effected via G proteins that activate a phosphatidylinositol-calcium second messenger system. Signaling leads to the activation of downstream MAP kinases and protects cells against apoptosis (PubMed:<a href="http://www.uniprot.org/citations/21725197" target="\_blank">21725197</a>).

**Cellular Location**

Cell membrane; Multi-pass membrane protein. Membrane raft. Note=Palmitoylation is required for localization at CAV1-enriched membrane rafts

**Tissue Location**

Expressed in prostate (at protein level). Detected in colon and peripheral blood mononuclear cells. Detected at very low levels in brain.

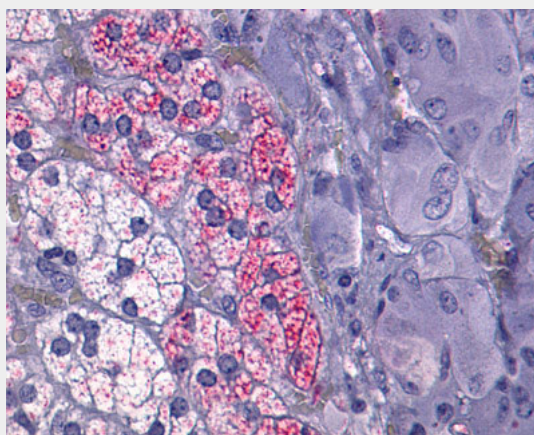
**Volume**

50 µl

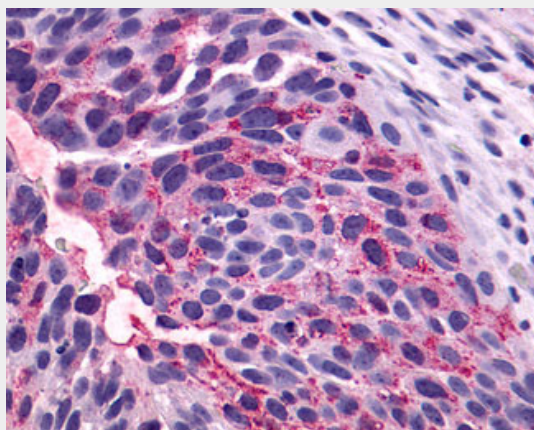
**NTSR1 / NTR Antibody (Cytoplasmic Domain) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

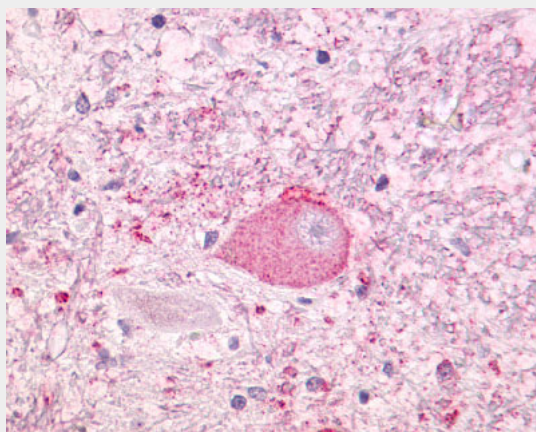
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NTSR1 / NTR Antibody (Cytoplasmic Domain) - Images**

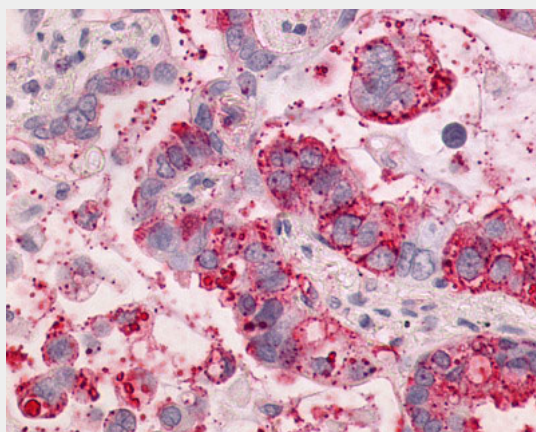
Anti-NTSR1 / NTR antibody IHC of human Adrenal, Pheochromocytoma.



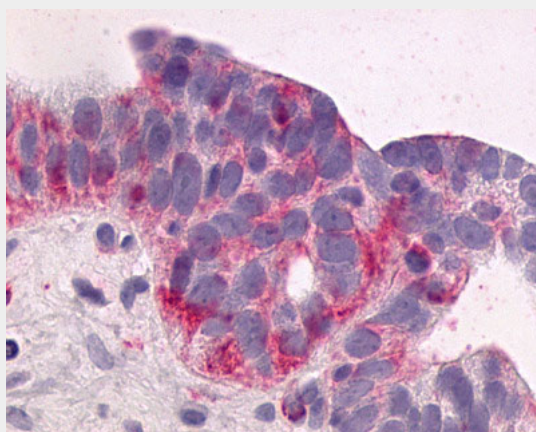
Anti-NTSR1 / NTR antibody IHC of human Bladder, Carcinoma.



Anti-NTSR1 antibody ALS10213 IHC of human brain, neurons and glia.



Anti-NTSR1 / NTR antibody IHC of human Lung, Adenocarcinoma.



Anti-NTSR1 / NTR antibody IHC of human Ovary, Carcinoma.

#### **NTSR1 / NTR Antibody (Cytoplasmic Domain) - Background**

G-protein coupled receptor for the tridecapeptide neurotensin (NTS). Signaling is effected via G proteins that activate a phosphatidylinositol-calcium second messenger system. Signaling leads to the activation of downstream MAP kinases and protects cells against apoptosis.

#### **NTSR1 / NTR Antibody (Cytoplasmic Domain) - References**

Vita N.,et al.FEBS Lett. 317:139-142(1993).  
Kopatz S.A.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.  
Deloukas P.,et al.Nature 414:865-871(2001).  
Swift S.L.,et al.Cancer Res. 70:347-356(2010).  
Heakal Y.,et al.Cancer Biol. Ther. 12:427-435(2011).