

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

NTSR1 / NTR Antibody (Cytoplasmic Domain) - Product Information

Application	IHC-P
Primary Accession	P30989
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	46kDa KDa
Dilution	IHC-P~~N/A

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:21725197, PubMed:23140271, PubMed:8381365). 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:21725197).

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.

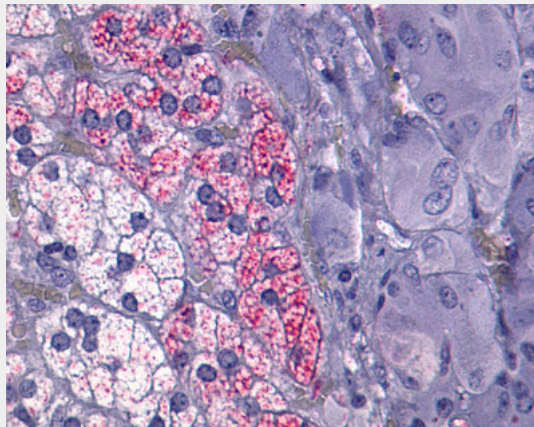
Volume

50 µl

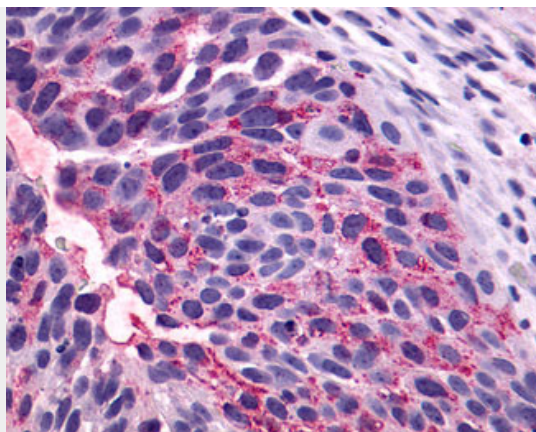
NTSR1 / NTR Antibody (Cytoplasmic Domain) - Protocols

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

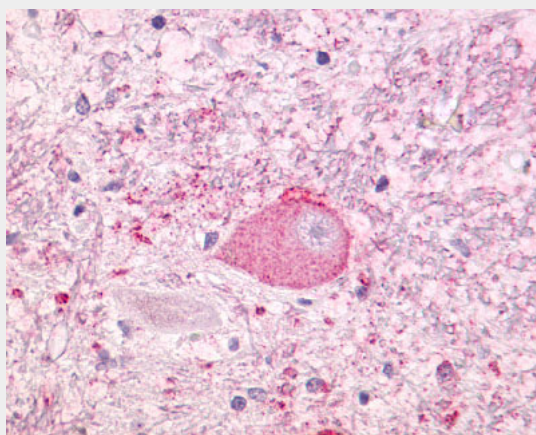
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NTSR1 / NTR Antibody (Cytoplasmic Domain) - Images

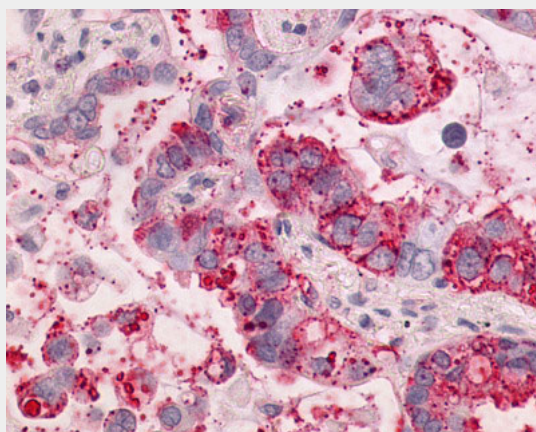
Anti-NTSR1 / NTR antibody IHC of human Adrenal, Pheochromocytoma.



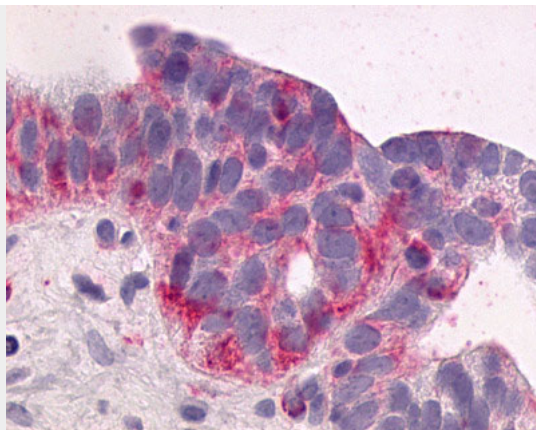
Anti-NTSR1 / NTR antibody IHC of human Bladder, Carcinoma.



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).