10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

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

Specification

NTSR1 / NTR Antibody (Cytoplasmic Domain) - Product Information

Application	**IHC**
Primary Accession	P30989
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:8381365, PubMed:21725197, PubMed:23140271). 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.

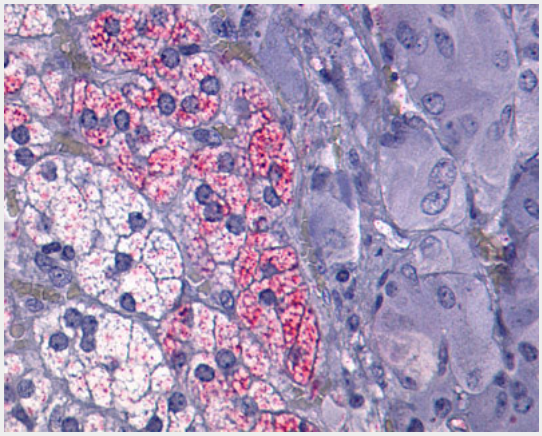
Volume
50 µl

NTSR1 / NTR Antibody (Cytoplasmic Domain) - Protocols

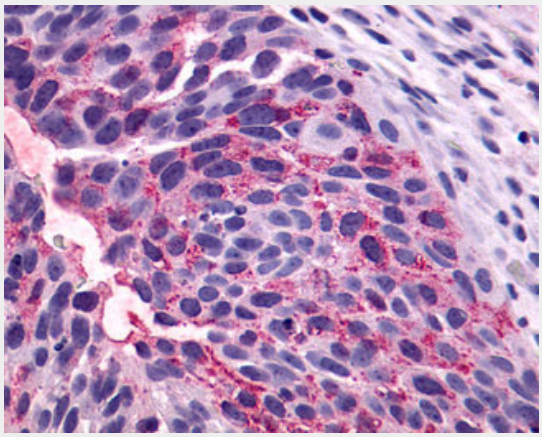
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NTSR1 / NTR Antibody (Cytoplasmic Domain) - Images



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



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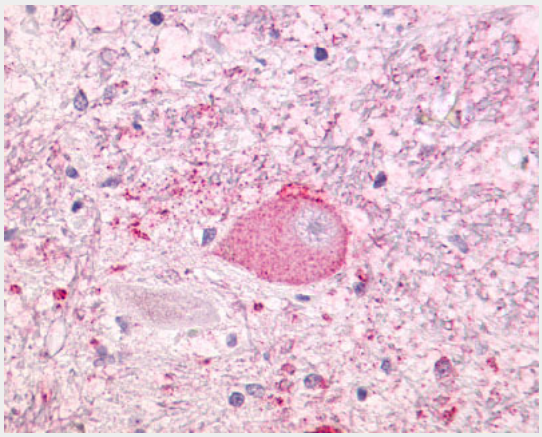
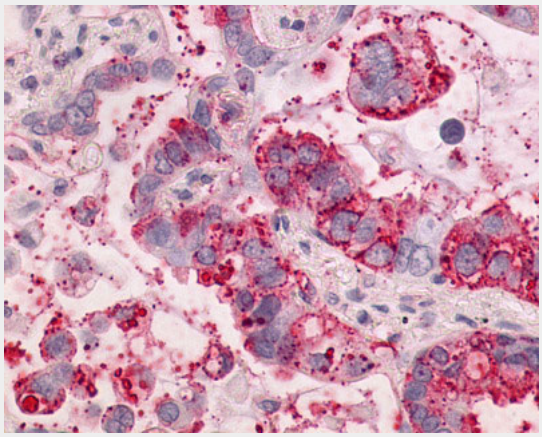
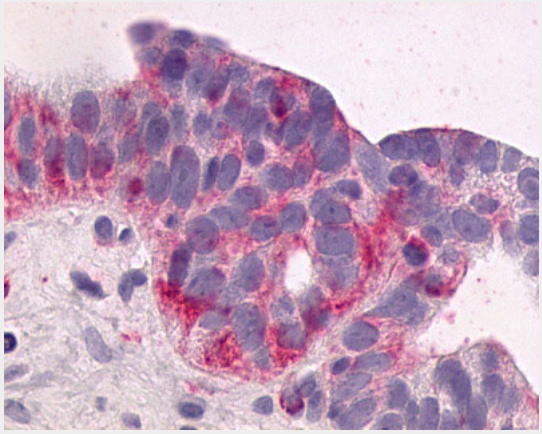
Anti-NTSR1 / NTR antibody IHC of human Bladder, Carcinoma.



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

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Kopatz S.A.,et al.Submitted (OCT-2003) to the EMBL/GenBank/DDBJ databases.
Deloukas P.,et al.Nature 414:865-871(2001).
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