Rabbit NTSR1 Polyclonal Antibody | anti-NTSR1 antibody

NTSR1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326892	**Rabbit**	**Human, Mouse, Rat**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

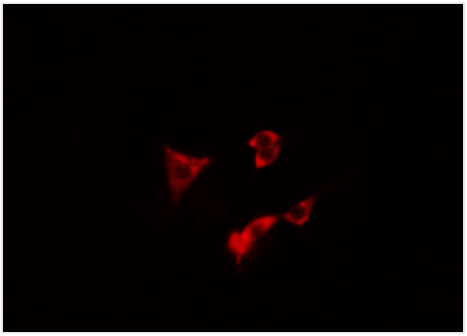
PRODUCT SYNONYMS

NTSR1; Polyclonal Antibody; NTSR1 Antibody; High affinity levocabastine insensitive neurotensin receptor; Neurotensin receptor 1 (high affinity); Neurotensin receptor type 1; NT R 1; NTR; NTR1; NTR1_HUMAN; NTRH; NTRR; NTSR 1; anti-NTSR1 antibody

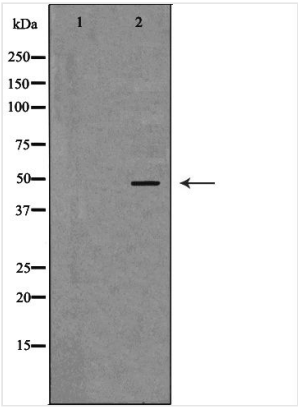
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NTSR1 antibody detects endogenous levels of total NTSR1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-NTSR1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human NTSR1
Subcellular Location	Cell Membrane, Endoplasmic Reticulum, Golgi Apparatus and Plasma Membrane. Integral Membrane Protein.
Tissue Specificity	Expressed in prostate (at protein level). Detected in colon and peripheral blood mononuclear cells. Detected at very low levels in brain.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA326892 staining Hela cells 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) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts of Jurkat, using NTSR1 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-NTSR1 antibody	Description: Neurotensin receptor 1 belongs to the large superfamily of G-protein coupled receptors. NTSR1 mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. 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). Subunit Structure: Interacts (palmitoylated form) with GNA11. Post-translational Modifications: N-glycosylated.Palmitoylated; this is required for normal localization at membrane rafts and normal GNA11-mediated activation of down-stream signaling cascades. The palmitoylation level increases in response to neurotensin treatment. Similarity: The ligand binding pocket consists mainly of extracellular loops ECL2 and ECL3, as well as transmembrane regions TM6 and TM7. Belongs to the G-protein coupled receptor 1 family. Neurotensin receptor subfamily. NTSR1 sub-subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110611243
NCBI GeneID	4923
NCBI Accession #	NP_002522.2
NCBI GenBank Nucleotide #	NM_002531.2
UniProt Accession #	P30989; Q9H4H1; Q9H4T5
Molecular Weight	Observed: 46 kDa Predicted: 47 kDa
NCBI Official Full Name	neurotensin receptor type 1
NCBI Official Synonym Full Names	neurotensin receptor 1
NCBI Official Symbol	NTSR1
NCBI Official Synonym Symbols	NTR
NCBI Protein Information	neurotensin receptor type 1
UniProt Protein Name	Neurotensin receptor type 1
UniProt Gene Name	**NTSR1**

UniProt Synonym Gene Names	NTRR; NT-R-1; NTR1

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/ntsr1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/326892