

ARG66559 anti-Neurotensin Receptor 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Neurotensin Receptor 1
Tested Reactivity	Hu
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Neurotensin Receptor 1
Species	Human
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of Human NTR1.
Conjugation	Un-conjugated
Alternate Names	NTR; NTR1; Neurotensin receptor type 1; NT-R-1; NTRH; High-affinity levocabastine-insensitive neurotensin receptor

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100 - 1:500
	IHC-P	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	54 kDa	

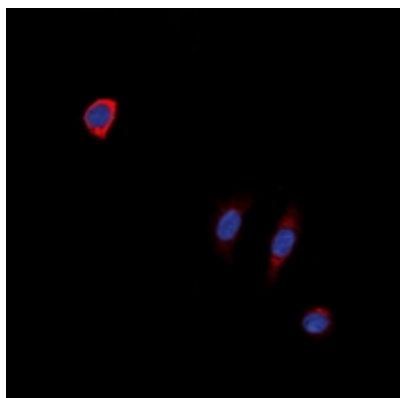
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

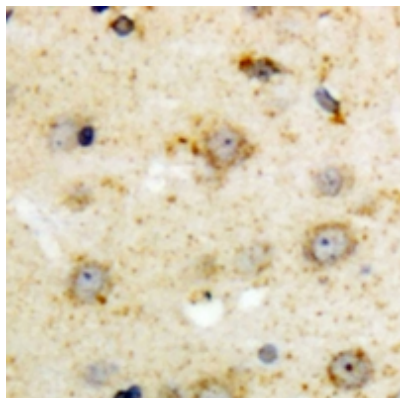
Gene Symbol	NTSR1
Gene Full Name	neurotensin receptor 1 (high affinity)
Background	Neurotensin receptor 1 belongs to the large superfamily of G-protein coupled receptors. NTSR1 mediates the multiple functions of neurotensin, such as hypotension, hyperglycemia, hypothermia, antinociception, and regulation of intestinal motility and secretion. [provided by RefSeq, Jul 2008]
Function	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. [UniProt]
Calculated Mw	46 kDa
PTM	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. [UniProt]
Cellular Localization	Cell membrane; Multi-pass membrane protein. Membrane raft. Note=Palmitoylation is required for localization at CAV1-enriched membrane rafts. [UniProt]

Images



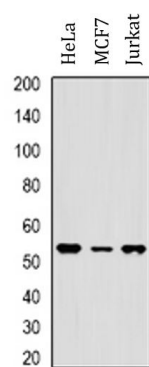
ARG66559 anti-Neurotensin Receptor 1 antibody ICC/IF image

Immunofluorescence: Formalin-fixed SK-N-SH cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were stained with ARG66559 anti-Neurotensin Receptor 1 antibody (red) in 3% BSA-PBS and incubated overnight at 4°C in a humidified chamber. DAPI was used to stain the cell nuclei (blue).



ARG66559 anti-Neurotensin Receptor 1 antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human brain tissue. Antigen Retrieval: Heat mediation was performed in Sodium citrate buffer (pH 6.0). The section was then stained with ARG66559 anti-Neurotensin Receptor 1 antibody at room temperature and detected using an HRP conjugate compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



ARG66559 anti-Neurotensin Receptor 1 antibody WB image

Western blot: HeLa, MCF7 and Jurkat whole cell lysates stained with ARG66559 anti-Neurotensin Receptor 1 antibody.