

Product datasheet

Anti-Neurotensin Receptor 1/NTSR1 antibody [B-N6] ab27380

[1 Image](#)

Overview

Product name	Anti-Neurotensin Receptor 1/NTSR1 antibody [B-N6]
Description	Mouse monoclonal [B-N6] to Neurotensin Receptor 1/NTSR1
Host species	Mouse
Specificity	Recognises the membrane protein.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Neurotensin Receptor 1/NTSR1. NTR transfected CHO cell line
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.30 Preservative: 0.09% Sodium azide Constituents: 98.91% PBS, 1% BSA
Purification notes	Gel filtration
Clonality	Monoclonal
Clone number	B-N6
Myeloma	x63-Ag8.653
Isotype	IgM

Light chain type

kappa

Applications

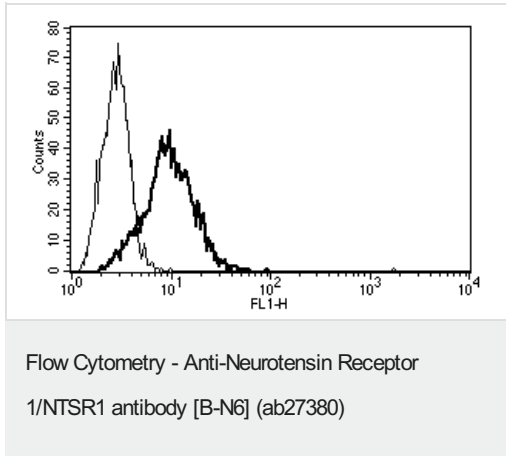
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab27380 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 10µl for 10 ⁶ cells. ab91545 - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.

Target

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).
Tissue specificity	Expressed in prostate (at protein level). Detected in colon and peripheral blood mononuclear cells. Detected at very low levels in brain.
Sequence similarities	Belongs to the G-protein coupled receptor 1 family. Neurotensin receptor subfamily. NTSR1 sub-subfamily.
Domain	The ligand binding pocket consists mainly of extracellular loops ECL2 and ECL3, as well as transmembrane regions TM6 and TM7.
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.
Cellular localization	Cell membrane. Membrane raft. Palmitoylation is required for localization at CAV1-enriched membrane rafts.

Images



Staining pattern of NTR transfected CHO cell line with ab27380.

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