

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

[1 Image](#)

### Overview

<b>Product name</b>	Anti-Neurotensin Receptor 1/NTSR1 antibody [B-N6]
<b>Description</b>	Mouse monoclonal [B-N6] to Neurotensin Receptor 1/NTSR1
<b>Host species</b>	Mouse
<b>Specificity</b>	Recognises the membrane protein.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Tissue, cells or virus corresponding to Neurotensin Receptor 1/NTSR1. NTR transfected CHO cell line
<b>General notes</b>	<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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.30 Preservative: 0.09% Sodium azide Constituents: 98.91% PBS, 1% BSA
<b>Purification notes</b>	Gel filtration
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	B-N6
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgM

## 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 <sup>6</sup> cells. <b><u>ab91545</u></b> - 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 subfamily.

### Domain

The ligand binding pocket consists mainly of extracellular loops ECL2 and ECL3, as well as transmembrane regions TM6 and TM7.

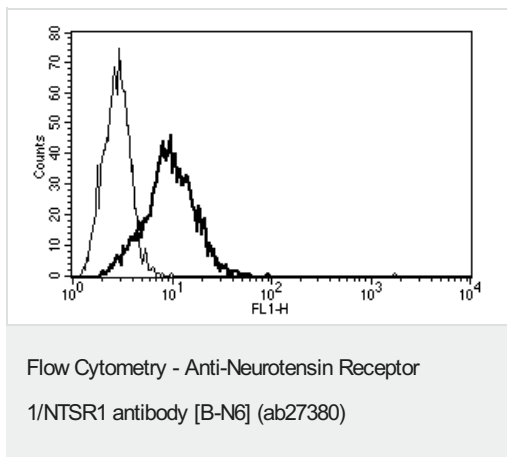
### Post-translational modifications

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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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