bs-12002R **[Primary Antibody]**

Neurotensin Receptor 1 Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4923 **SWISS:** P30989

Target: Neurotensin Receptor 1

Immunogen: KLH conjugated synthetic peptide derived from human NTR1/Neurotensin Receptor 1: 188-290/418. < Extracellular >

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Neurotensin (NT) initiates an intracellular response by interacting with the G protein-coupled receptors NTR1 (NTS1 receptor, high affinity NTR) and NTR2 (NTS2 receptor, levocabastine-sensitive Neurotensin receptor), and the type I receptor NTR3 (NTS3 receptor, sortilin-1, Gp95). Neurotensin has a wide distribution in regions of the brain and in peripheral tissues where Neuro-tensin receptors can contribute to hypotension, hyperglycemia, hypothermia, antinociception and regulation of intestinal motility and secretion. HL-60 cells express NTR1, which can couple to Gq, Gi/o, or Gs. Alternative splicing of rat NTR2 can generate a five-transmembrane domain variant isoform that is co-expressed with the full-length NTR2 throughout the brain and spinal cord. NTR3 activation in the murine microglial cell line N11 induces MIP-2, MCP-1, IL-1b and TNFa in an ERK1/2- and Akt kinase-dependent manner.

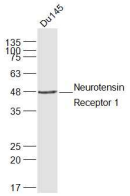
Applications: **WB** (1:500-2000)

Reactivity: Human

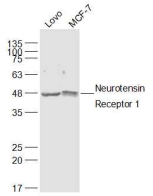
Predicted MW.: 46 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: DU145(Human) Cell Lysate at 30 ug Primary: Anti-Neurotensin Receptor 1 (bs-12002R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD



Sample: LOVO(Human) Cell Lysate at 30 ug MCF-7(Human) Cell Lysate at 30 ug Primary: Anti-Neurotensin Receptor 1 (bs-12002R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 46 kD Observed band size: 46 kD

SELECTED CITATIONS

- **[IF=6]** Qiong Wang. et al. A novel androgen-independent radiotracer with dual targeting of NTSR1 and PSMA for PET/CT imaging of prostate cancer. EUR J MED CHEM. 2025 Jan;282:117050 IHC ;Mouse. 39577227