SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-Neurotensin Receptor 1 antibody

SL12002R

Product Name	**[KO validated anti]** Neurotensin Receptor 1
Chinese Name	神经降压素受体 1 抗体
Alias	High affinity levocabastine insensitive neurotensin receptor; Neurotensin receptor type 1; NT R 1; NTR; NTR1; NTRH; NTRR; NTR-1; NTSR 1; NTR1_HUMAN.
Research Area	Cell biology Neurobiology Signal transduction The cell membrane 受体 G protein-coupled receptor G protein signal
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human
Applications	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	46kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human NTR1/Neurotensin Receptor 1: 188-290/418 <Extracellular>
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	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.

Function:
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. NTR1 has been reported in brain, pancreas, and small intestine. ESTs have been isolated from brain and colon libraries.

Subcellular Location:
Cell membrane; Multi-pass membrane protein.

Similarity:
Belongs to the G-protein coupled receptor 1 family. Neurotensin receptor subfamily. NTSR1 sub-subfamily.

SWISS:
P30989

Gene ID:
4923

Database links:

Entrez Gene: 4923 Human

Entrez Gene: 18216 Mouse

Omim: 162651 Human

SwissProt: P30989 Human

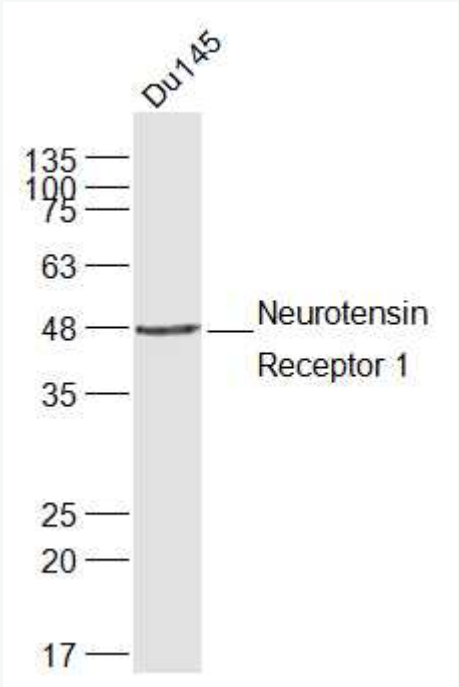
SwissProt: O88319 Mouse

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Unigene: 590869 Human

Unigene: 301712 Mouse

Product Picture



Sample:

DU145(Human) Cell Lysate at 30 ug

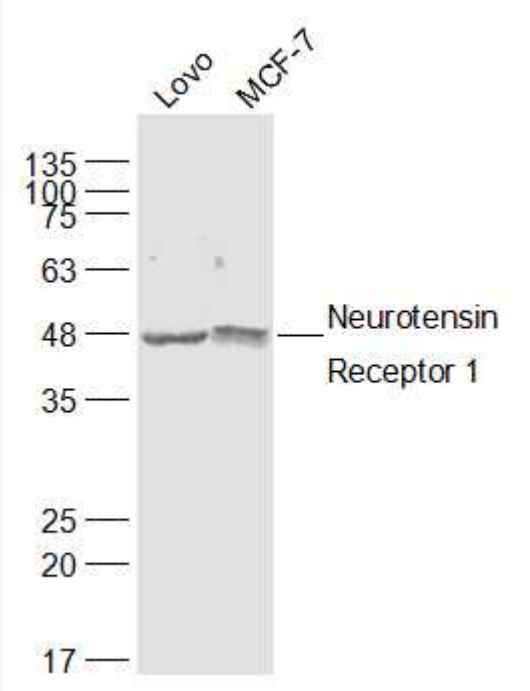
Primary: Anti-Neurotensin Receptor 1 (SL12002R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com



Sample:

LOVO(Human) Cell Lysate at 30 ug

MCF-7(Human) Cell Lysate at 30 ug

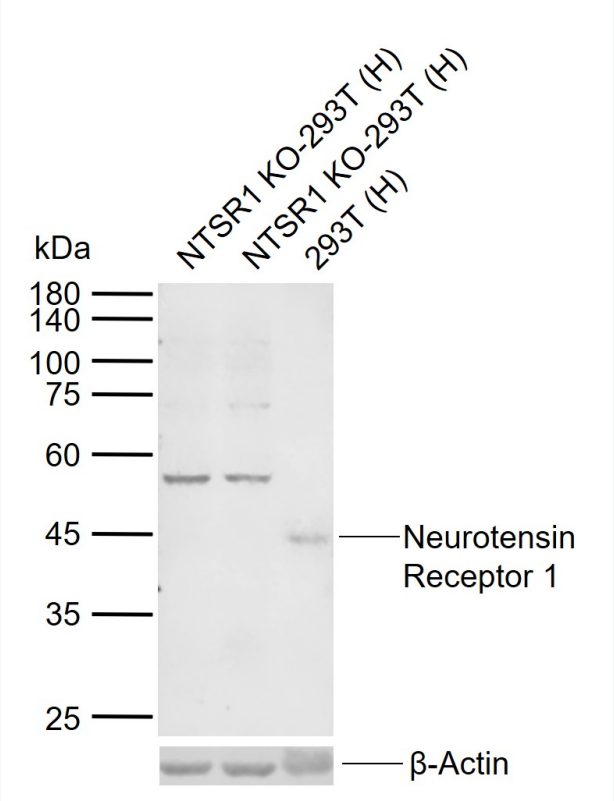
Primary: Anti-Neurotensin Receptor 1 (SL12002R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kD

Observed band size: 46 kD

SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com



Sample:

Lane 1: NTSR1 KO Human 293T cell lysates

Lane 2: NTSR1 KO Human 293T cell lysates

Lane 3: Human 293T cell lysates

Primary: Anti-Neurotensin Receptor 1 (SL12002R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 46 kDa

Observed band size: 46 kDa