



Rabbit Anti-Neurotensin Receptor 2 antibody

SL12004R

Product Name:	Neurotensin Receptor 2
Chinese Name:	神经降压素受体2抗体
Alias:	Levocabastine sensitive neurotensin receptor; Levocabastine-sensitive neurotensin receptor; Neurotensin receptor type 2; NT R 2; NT-R-2; NTR2; NTR2 receptor; NTR2_HUMAN; Ntsr2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	45kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Neurotensin Receptor 2:151-250/410<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 癢 for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20癢. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 癢.
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). NT has a wide distribution in regions of the brain and in peripheral tissues where NT 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 5-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-1beta and TNF α in an ERK1/2 and Akt kinase-dependent manner.

Function:

Receptor for the tridecapeptide neurotensin. It is associated with G proteins that activate a phosphatidylinositol-calcium second messenger system.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Similarity:

Belongs to the G-protein coupled receptor 1 family.
Neurotensin receptor subfamily. NTSR2 sub-subfamily.

SWISS:

O95665

Gene ID:

23620

Database links:

[Entrez Gene: 23620](#) Human

[Entrez Gene: 18217](#) Mouse

[Entrez Gene: 64636](#) Rat

[Omim: 605538](#) Human

[SwissProt: O95665](#) Human

[SwissProt: P70310](#) Mouse

[SwissProt: Q63384](#) Rat

[Unigene: 131138](#) Human

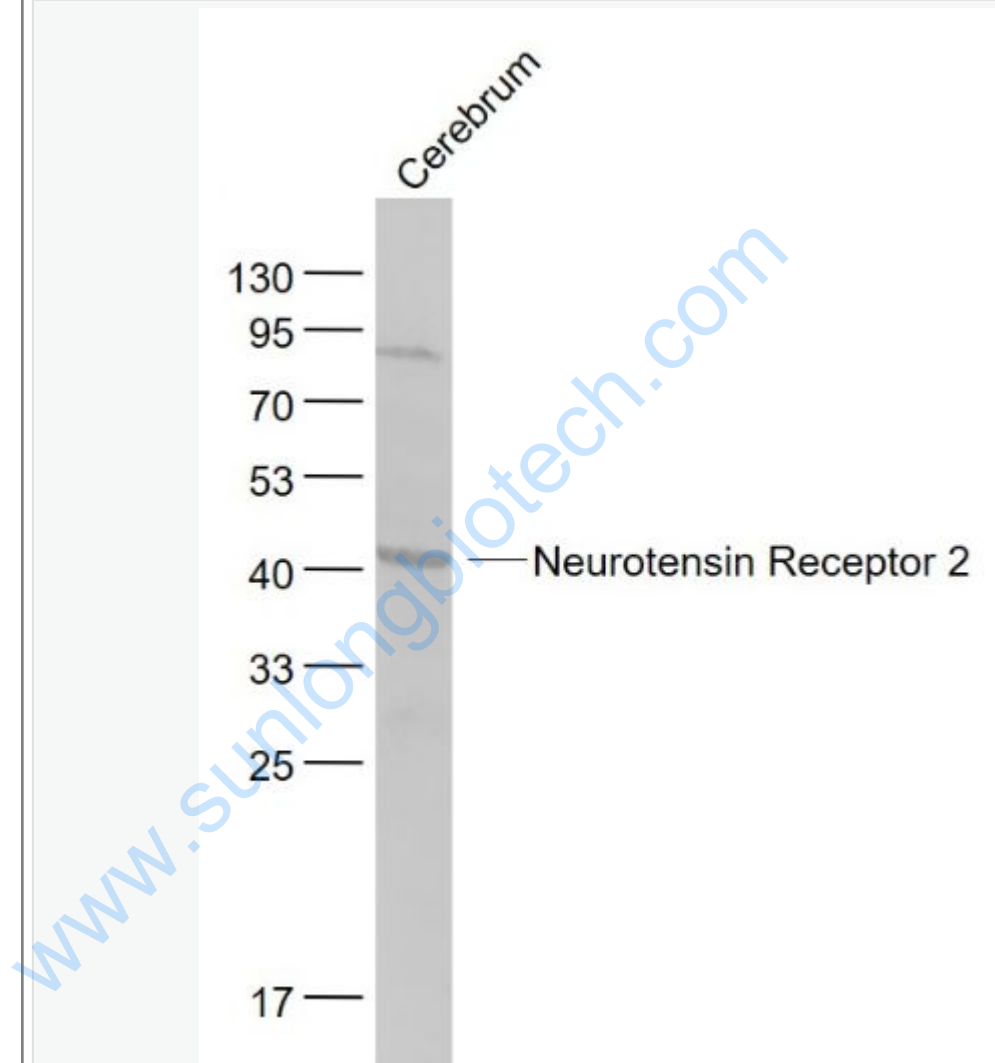
[Unigene: 281715](#) Mouse

[Unigene: 127792](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti- Neurotensin Receptor 2 (SL12004R) at 1/1000 dilution

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

Predicted band size: 45 kD

Observed band size: 42 kD

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