

Anti-Neurotensin Receptor 1 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human
Molecular Weight:	Theoretical: 46 kDa. Actual: 46 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample:
	LOVo (Human) Cell Lysate at 30 µg
	MCF-7 (Human) Cell Lysate at 30 µg
	Primary: Anti-Neurotensin Receptor 1 (TMAB-09409) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 46 kD
	Observed band size: 46 kD
	2. Sample: DU145 (Human) Cell Lysate at 30 µg
	Primary: Anti-Neurotensin Receptor 1 (TMAB-09409) at 1/1000 dilution
	Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
	Predicted band size: 46 kD
	Observed band size: 46 kD
3. 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 (TMAB-09409) at 1/1000 dilution	
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution	
Predicted band size: 46 kDa	
Observed band size: 46 kDa	
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human NTR1/Neurotensin Receptor 1
Antigen Species: Human
Gene ID: 4923
Uniprot ID: P30989

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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