

bs-12004R**[Primary Antibody]**

Neurotensin Receptor 2 Rabbit pAb

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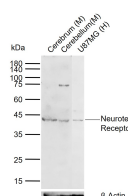
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400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		Reactivity: Human, Mouse (predicted: Rat, Rabbit, Sheep, Cow, Dog)
GeneID: 23620	SWISS: O95665	Predicted MW.: 45 kDa
Target: Neurotensin Receptor 2		Subcellular Location: Cell membrane
Immunogen: KLH conjugated synthetic peptide derived from human Neurotensin Receptor 2: 151-250/410. < 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). 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.		

— VALIDATION IMAGES —



Sample: Lane 1: Mouse Cerebrum tissue lysates
Lane 2: Mouse Cerebellum tissue lysates Lane 3:
Human U87MG cell lysates Primary: Anti-
Neurotensin Receptor 2 (bs-12004R) at 1/200
dilution Secondary: IRDye800CW Goat Anti-
Rabbit IgG at 1/20000 dilution Predicted band
size: 45 kDa Observed band size: 43 kDa