
PNOC Antibody Blocking Peptide

Catalog Number: bs-0075P

Activity: Yes

Purification: HPLC

Storage: Shipped at 4°C. Stored at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Nociceptin/orphanin FQ (N/OFQ), a 17-amino acid neuropeptide, is the endogenous ligand for the nociceptin receptor (NOP, ORL-1), and initiates its function to act on numerous brain activities such as pain sensation and fear learning. It is derived from the prepronociceptin protein, as are a further 2 peptides, nocistatin & NocII, which inhibit the N/OFQ receptor function. Nociceptin itself acts as a potent anti-analgesic, effectively counteracting the effect of pain-relievers. The gene coding for prepronociceptin is located on Ch8p21 in humans. Nociceptin acts at the Nociceptin receptor (NOP receptor) formerly known as ORL1.