

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



NPY5-R (M264) Peptide

Cat No.: BS2819P

Background

Pancreatic polypeptide (PP), neuropeptide Y (NPY), and peptide YY (PYY) are related 36-amino acid hormones. A number of structurally related receptors for these peptides have been isolated, NPY1-R, NPY2-R, NPY3-R, NPY4-R, NPY5-R, and NPY6-R. NPY4-R is expressed in several human tissues, including brain, coronary artery, and ileum. NPY4-R maps to human chromosome 10q11.2-q21.2. NPY-5R, isolated from rat hypothalamus, encodes a 456-amino acid protein with less than 35% overall identity to known Y-type receptors. The human NPY-5R sequence is nearly identical to, but in the opposite orientation from, that of the human NPY-1R sequence. NPY5-R localizes to the paraventricular hypothalamic nucleus, the lateral hypothalamus, and other locations consistent with a role in the control of feeding behavior. The gene which encodes NPY-5R maps to human chromosome 4q31-32. NPY-6R is abundantly expressed in human heart and skeletal muscle and the gene which encodes NPY-6R maps to human chromosome 5q31.

Swiss-Prot

Q15761

Applications

Blocking

Specificity

This peptide can be used with studies using BS2819 NPY5-R (M264) pAb.

Purification & Purity

Synthetic peptide NPY5-R (M264). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.