

PPYR1 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14238a**Specification**

PPYR1 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P50391](#)**PPYR1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 100996758;5540**Other Names**

Neuropeptide Y receptor type 4, NPY4-R, Pancreatic polypeptide receptor 1, PP1, NPY4R, PPYR1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PPYR1 Antibody (N-term) Blocking Peptide - Protein Information**Name** NPY4R**Synonyms** PPYR1**Function**

G protein-coupled receptor for PPY/pancreatic polypeptide/PP, NPY/neuropeptide Y and PYY/peptide YY that is negatively coupled to cAMP (PubMed:7592911, PubMed:7493937). The rank order of affinity for these polypeptides and their derivatives is PP, PP (2-36) and [Ile-31, Gln-34] PP > [Pro-34] PYY > PYY and [Leu-31, Pro-34] NPY > NPY > PYY (3-36) and NPY (2-36) > PP (13-36) > PP (31-36) > NPY free acid.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Highest levels found in brain, coronary artery and ileum. Low levels in pancreas and kidney. Detected in colon and small intestine.

PPYR1 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

PPYR1 Antibody (N-term) Blocking Peptide - Images**PPYR1 Antibody (N-term) Blocking Peptide - Background**

Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is PP, PP (2-36) and [Ile-31, Gln-34] PP > [Pro-34] PYY > PYY and [Leu-31, Pro-34] NPY > NPY > PYY (3-36) and NPY (2-36) > PP (13-36) > PP (31-36) > NPY free acid.

PPYR1 Antibody (N-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Umeda, T., et al. Peptides 30(8):1441-1447(2009)Sha, B.Y., et al. J. Hum. Genet. 54(4):199-202(2009)Gao, Y., et al. Biochemistry 47(43):11367-11376(2008)Parker, E., et al. Eur. J. Pharmacol. 440 (2-3), 173-187 (2002) :