

NPW Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP9644b**Specification**

NPW Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q8N729](#)**NPW Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 283869

Other Names

Neuropeptide W, Preproprotein L8, hPPL8, Neuropeptide W-23, NPW23, hL8, Neuropeptide W-30, NPW30, hL8C, NPW, PPL8, PPNPW

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.

NPW Antibody (C-term) Blocking Peptide - Protein Information

Name NPW

Synonyms PPL8, PPNPW

Function

Plays a regulatory role in the organization of neuroendocrine signals accessing the anterior pituitary gland. Stimulates water drinking and food intake. May play a role in the hypothalamic response to stress (By similarity). NPW23 activates GPR7 and GPR8 more efficiently than NPW30.

Cellular Location

Secreted

Tissue Location

Detected in cerebrospinal fluid and urine (at protein level) (PubMed:25326458, PubMed:36213313, PubMed:37453717) Detected at high levels in the substantia nigra, fetal kidney and trachea; at lower levels in testis, uterus, ovary and placenta. Not detectable in many regions of the central nervous system. Also detected at high levels in lymphoblastic leukemia and colorectal adenocarcinoma

NPW Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NPW Antibody (C-term) Blocking Peptide - Images

NPW Antibody (C-term) Blocking Peptide - Background

NPW is processed into 23- and 30-amino acid neuropeptides that bind and activate two G-protein coupled receptors in the central nervous system. The neuropeptides have been shown to enhance cortisol secretion from adrenal cells through the adenylate cyclase/protein kinase A signaling cascade. The preproprotein is translated using a non-AUG initiation codon that is inferred from analyses of the mouse ortholog. [provided by RefSeq].

NPW Antibody (C-term) Blocking Peptide - References

Luttrell, L.M. Mol. Biotechnol. 39(3):239-264(2008)Singh, G., et al. Br. J. Pharmacol. 148(8):1033-1041(2006)