



NPW Polyclonal Antibody

Catalog No	YP-Ab-05851
Isotype	IgG
Reactivity	Human;Rat
Applications	WB;ELISA
Gene Name	NPW PPL8 PPNPW
Immunogen	Synthesized peptide derived from human protein . at AA range: 90-170
Specificity	NPW Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	NPW;NPW PPL8 PPNPW;Neuropeptide W (Preproprotein L8) (hPPL8) [Cleaved into: Neuropeptide W-23 (NPW23) (hL8);Neuropeptide W-30 (NPW30) (hL8C)]
Observed Band	18kD
Calculated Molecular Weight	18kD
Cell Pathway	Secreted.
Tissue Specificity	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.
Function	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.,similarity:Belongs to the neuropeptide B/W family.,tissue specificity: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.,

Background

The product of this gene 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, Jul 2008],

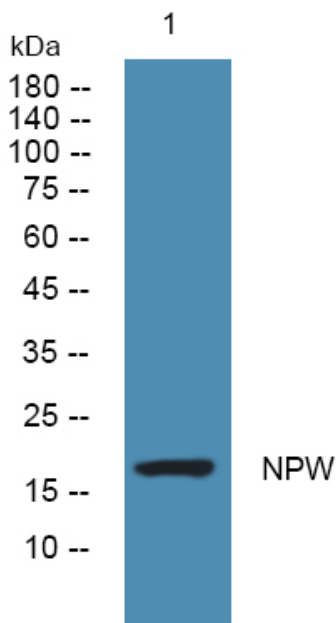
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from PC12 cells, primary antibody was diluted at 1:1000, 4° over night