

Product datasheet for **AP09564SU-N**

Neuropeptide Y (NPY) (68-97) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC
Recommended Dilution:	Immunofluorescence: 1/400-1/800 with overnight incubation at 2-8°C. Immunohistochemistry on Frozen Sections. Positive Control: Stefanini-fixed sections of rat small intestine.
Reactivity:	Human, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic Prepro-NPY 68-97 (C-PON).
Specificity:	Neuropeptide Y is a peptide belonging to the PP-family and occurs in neurons and adrenal medullary cells. Antisera raised against NPY often cross-react with PP and PYY. This antiserum was raised using a synthetic peptide from the prepro-NPY sequence which has no homologies to PP and NPY. Absorption with 10-100 µg immunogen per ml diluted antiserum abolishes the staining.
Formulation:	State: Serum State: Lyophilized Undiluted Serum
Reconstitution Method:	Dissolve the antiserum in 50-100 µl distilled water, and dilute further in 0.1M PBS with 1% BSA and 0.09% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	neuropeptide Y
Database Link:	Entrez Gene 24604 Rat Entrez Gene 4852 Human P01303



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Background:	Neuropeptide Y (NPY) is the most abundant neuropeptide in the brain and is known to function as a potent stimulator of feeding behavior. It is a member of a family of proteins that include pancreatic polypeptide, seminal plasmin and peptide YY. In addition to its function in the control of energy balance, several other physiological roles have been attributed to NPY, including involvement in circadian rhythms, sexual function, anxiety responses and vascular resistance.
Synonyms:	Prepro-NPY, C-PON, CPON
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Adipocytokine signaling pathway