

Neuropeptide Y Polyclonal Antibody | anti-NPY antibody

Anti-Neuropeptide Y Antibody

CATALOG # AAA46333	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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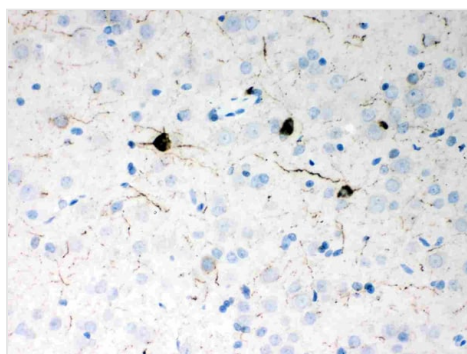
PRODUCT SYNONYMS

Neuropeptide Y; Polyclonal Antibody; Anti-Neuropeptide Y Antibody; Pro-neuropeptide Y; C-flanking peptide of NPY; CPON; Neuropeptide tyrosine; Neuropeptide Y precursor; NPY; NPY_HUMAN; Pro neuropeptide Y; PYY 4; PYY4; Y Neuropeptide antibody; neuropeptide Y; anti-NPY antibody

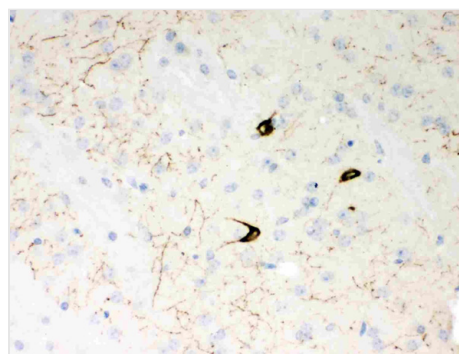
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	97
Applicable Applications for anti-NPY antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Neuropeptide Y (29-64aa YPSKPDNPGEDAPAEDMARYYSALRHYINLITRQRY), identical to the related mouse and rat sequences.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

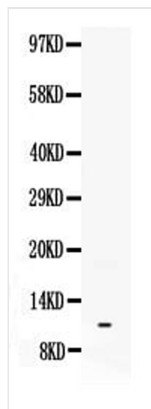
IMAGES


IHC (Immunohistochemistry)

Anti- Neuropeptide Y Picoband antibody, AAA46333,IHC(P)IHC(P): Rat Brain Tissue


IHC (Immunohistochemistry)

Anti- Neuropeptide Y Picoband antibody, AAA46333,IHC(P)IHC(P): Mouse Brain Tissue



Application Data

All lanes: Anti Neuropeptide Y (AAA46333) at 0.5ug/mlWB: Recombinant Human Neuropeptide Y Protein 0.5ngPredicted bind size: 11KDObserved bind size: 11KD

ADDITIONAL INFORMATION

Related Product Information for anti-NPY antibody	Background: This gene encodes a neuropeptide that is widely expressed in the central nervous system and influences many physiological processes, including cortical excitability, stress response, food intake, circadian rhythms, and cardiovascular function. The neuropeptide functions through G protein-coupled receptors to inhibit adenylyl cyclase, activate mitogen-activated protein kinase (MAPK), regulate intracellular calcium levels, and activate potassium channels. A polymorphism in this gene resulting in a change of leucine 7 to proline in the signal peptide is associated with elevated cholesterol levels, higher alcohol consumption, and may be a risk factor for various metabolic and cardiovascular diseases. The protein also exhibits antimicrobial activity against bacteria and fungi.
References	1. Benarroch, E. E. Neuropeptide Y: its multiple effects in the CNS and potential clinical significance. Neurology 72: 1016-1020, 2009. 2. Lee, E. W., Michalkiewicz, M., Kitlinska, J., Kalezic, I., Switalska, H., Yoo, P., Sangkharat, A., Ji, H., Li, L., Michalkiewicz, T., Ljubisavljevic, M., Johansson, H., Grant, D. S., Zukowska, Z. Neuropeptide Y induces ischemic angiogenesis and restores function of ischemic skeletal muscles. J. Clin. Invest. 111: 1853-1862, 2003.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505449
NCBI GeneID	4852
NCBI Accession #	NP_000896.1
NCBI GenBank Nucleotide #	NM_000905.3
UniProt Accession #	P01303
NCBI Official Full Name	pro-neuropeptide Y preproprotein
NCBI Official Synonym Full Names	neuropeptide Y
NCBI Official Symbol	NPY
NCBI Official Synonym Symbols	PYY4
NCBI Protein Information	pro-neuropeptide Y
UniProt Protein Name	Pro-neuropeptide Y
UniProt Gene Name	NPY
UniProt Synonym Gene Names	NPY; CPON
UniProt Entry Name	NPY_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/neuropeptide-y-antibody-immunohistochemistry-western-blot-elisa/46333>