

Rabbit NPY Polyclonal Antibody | anti-NPY antibody

NPY Antibody

CATALOG # AAA326942	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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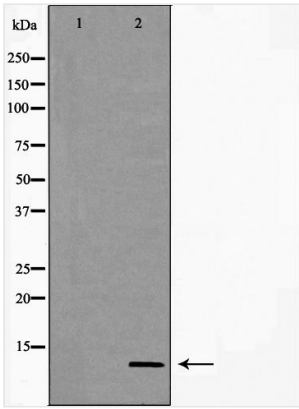
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

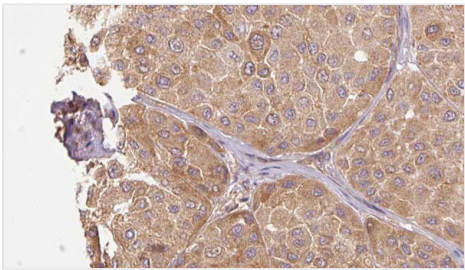
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	NPY antibody detects endogenous levels of total NPY
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence	YYALRHYIN LITRQRY
Applicable Applications for anti-NPY antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human NPY
Subcellular Location	Secreted.
Tissue Specificity	One of the most abundant peptides in the nervous system. Also found in some chromaffin cells of the adrenal medulla.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of A549, using NPY antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326942 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-NPY antibody	Description: 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. Function: NPY is implicated in the control of feeding and in secretion of gonadotrophin-release hormone. Post-translational Modifications: The neuropeptide Y form is cleaved at Pro-30 by the prolyl endopeptidase FAP (seprase) activity (in vitro). Similarity: Belongs to the NPY family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505449
NCBI GeneID	4852
NCBI Accession #	NP_000896.1
NCBI GenBank Nucleotide #	NM_000905.3
UniProt Accession #	P01303
Molecular Weight	Observed: 11 kDa Predicted: 11 kDa
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

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/npv-antibody-immunohistochemistry-western-blot-elisa/326942>