

## Rabbit Neuropeptide Y Polyclonal Antibody | anti-NPY antibody

Anti-Neuropeptide Y Antibody, Rabbit Polyclonal

| CATALOG # | HOST   | REACTIVITY                                                                                         | APPLICATIONS         |
|-----------|--------|----------------------------------------------------------------------------------------------------|----------------------|
| AAA254736 | Rabbit | Human<br>Predicted to React with: Rat (Species predicted to react based on 100% sequence homology) | Immunohistochemistry |

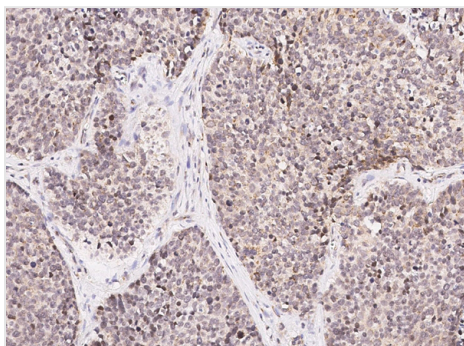
### PRODUCT SYNONYMS

Neuropeptide Y; Polyclonal Antibody; Anti-Neuropeptide Y Antibody; Rabbit Polyclonal; NPY/Pro-neuropeptide Y Antibody; Rabbit PAb; Antigen Affinity Purified; neuropeptide Y; Anti-PYY4 Antibody; anti-NPY antibody

### PRODUCT SPECIFICATIONS

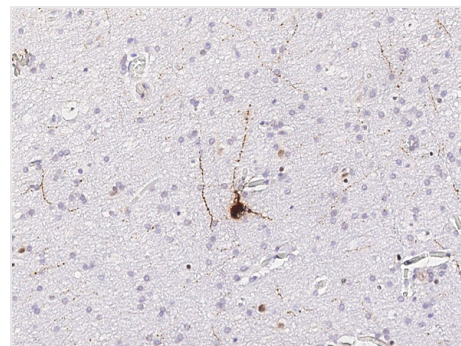
|                                               |                                                                                                                                                                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                                |
| Reactivity                                    | Human<br>Predicted to React with: Rat (Species predicted to react based on 100% sequence homology)                                                                                                                                                                    |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                            |
| Isotype                                       | Rabbit IgG                                                                                                                                                                                                                                                            |
| Specificity                                   | Human Neuropeptide Y                                                                                                                                                                                                                                                  |
| Purity/Purification                           | Protein A & Antigen Affinity                                                                                                                                                                                                                                          |
| Form/Format                                   | Liquid; 0.2um filtered solution in PBS                                                                                                                                                                                                                                |
| Applicable Applications for anti-NPY antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                            |
| Immunogen                                     | A synthetic peptide corresponding to the C-terminus of the Human NPY/Pro-neuropeptide Y                                                                                                                                                                               |
| Conjugation                                   | Unconjugated                                                                                                                                                                                                                                                          |
| Preparation                                   | Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Human NPY/Pro-neuropeptide Y, and purified by antigen affinity chromatography.                                                                                          |
| Preparation and Storage                       | This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemical staining of human NPY in human lung cancer with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



#### IHC (Immunohistochemistry)

Immunohistochemical staining of human NPY in human brain with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-NPY antibody | NPY (Neuropeptide Y) is a Protein Coding gene. 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. NPY is a neuromodulator that is widely expressed throughout the central nervous system (CNS) and is consecrated with classic neurotransmitters including GABA and glutamate. NPY/Agouti-related protein (AgRP) neurons in the arcuate nucleus of the hypothalamus are part of a neuroendocrine feedback loop that regulates feeding behavior and glucose homeostasis. NPY/AgRP neurons sense peripheral signals (including the hormones leptin, insulin, and ghrelin) and integrate those signals with inputs from other brain regions. |
| Product Categories/Family for anti-NPY antibody   | Neurotransmitter Associated Enzymes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| NCBI GI #                        | 386984                                    |
| NCBI GeneID                      | 4852                                      |
| UniProt Accession #              | P01303                                    |
| Molecular Weight                 | 10,851 Da                                 |
| NCBI Official Full Name          | neuropeptide Y, partial                   |
| NCBI Official Synonym Full Names | neuropeptide Y                            |
| NCBI Official Symbol             | NPY                                       |
| NCBI Official Synonym Symbols    | PYY4                                      |
| NCBI Protein Information         | pro-neuropeptide Y; prepro-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.

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