Product Datasheet

NPY antibody

Catalog No: #38619

Package Size: #38619-1 50ul #38619-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

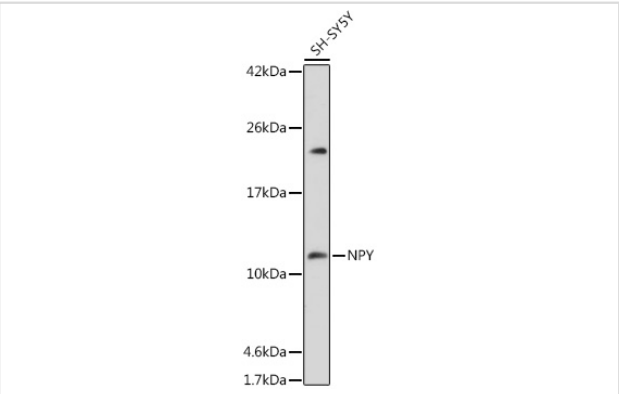
Description

Product Name	NPY antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of total NPY protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant fusion protein of human NPY (NP_000896.1).
Conjugates	Unconjugated
Target Name	NPY
Other Names	NPY;PYY4
Accession No.	Uniprot:P01303GeneID:4852
SDS-PAGE MW	11KDa
Concentration	1.0mg/ml
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

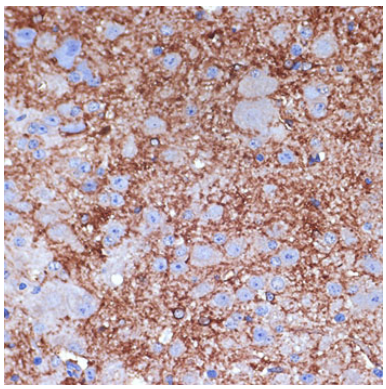
Application Details

WB□1:500 - 1:2000IHC□1:50 - 1:200IF□1:50 - 1:200

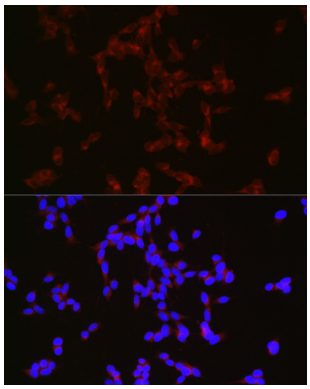
Images



Western blot analysis of extracts of SH-SY5Y cells, using NPY antibody.



Immunohistochemistry of paraffin-embedded mouse spinal cord using NPY Rabbit pAb.



Immunofluorescence analysis of SH-SY5Y cells using NPY Rabbit pAb.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.