

Peptide YY (H-39): sc-98995

BACKGROUND

Members of the Neuropeptide Y (NPY) hormone family include NPY, PP (pancreatic polypeptide) and Peptide YY. The NPY hormone family associates with the complementary Neuropeptide Y-receptor family, which is part of the G protein-coupled receptor superfamily. NPY is expressed throughout the central and peripheral nervous systems and is one of the most abundant neuropeptides. Peptide YY (PPY), also designated peptide tyrosine tyrosine, is a secreted protein. This gut protein acts as an inhibitor of exocrine pancreatic secretion, jejunal motility and colonic motility. It also plays a role in vasoconstriction.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PYY (human) mapping to 17q21.31; Pyy (mouse) mapping to 11 D.

SOURCE

Peptide YY (H-39) is a rabbit polyclonal antibody raised against amino acids 26-64 mapping within an internal region of Peptide YY precursor of human origin.

PRODUCT

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

Peptide YY (H-39) is recommended for detection of precursor and mature Peptide YY of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); may cross-react with Neuropeptide Y.

Peptide YY (H-39) is also recommended for detection of Peptide YY precursor and mature PYY in additional species, including porcine.

Suitable for use as control antibody for Peptide YY siRNA (h): sc-61320, Peptide YY siRNA (m): sc-61321, Peptide YY shRNA Plasmid (h): sc-61320-SH, Peptide YY shRNA Plasmid (m): sc-61321-SH, Peptide YY shRNA (h) Lentiviral Particles: sc-61320-V and Peptide YY shRNA (m) Lentiviral Particles: sc-61321-V.

Molecular Weight of Peptide YY: 11 kDa.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-rabbit IgG-HRP: sc-2004 (dilution range: 1:2000-1:100,000) or Cruz Marker™ compatible goat anti-rabbit IgG-HRP: sc-2030 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunoprecipitation: use Protein A/G PLUS-Agarose: sc-2003 (0.5 ml agarose/2.0 ml). 3) Immunofluorescence: use goat anti-rabbit IgG-FITC: sc-2012 (dilution range: 1:100-1:400) or goat anti-rabbit IgG-TR: sc-2780 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.


 MONOS
 Satisfaction
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Try **Peptide YY (029-01-1): sc-80499**, our highly recommended monoclonal alternative to Peptide YY (H-39).