

Anti-Peptide YY Picoband Antibody Catalog # ABO11632

Specification

Anti-Peptide YY Picoband Antibody - Product Information

Application	WB
Primary Accession	Q9EPS2
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Peptide YY(PYY) detection. Tested with WB in Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Peptide YY Picoband Antibody - Additional Information

Gene ID 217212

Other Names

Peptide YY, Pyy

Calculated MW

11064 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization

Secreted.

Protein Name

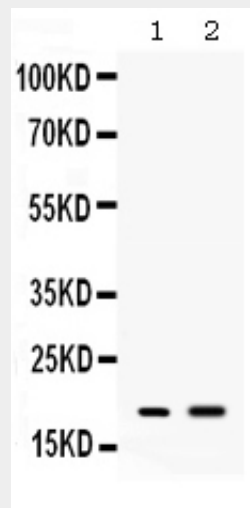
Peptide YY

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of mouse Peptide YY (29-64aa YPAKPEAPGEDASPEELS RYYASLRHYLNLVTRQRY), different from the



Western blot analysis of Peptide YY expression in mouse spleen extract (lane 1) and mouse liver extract (lane 2). Peptide YY at 19KD was detected using rabbit anti-Peptide YY Antigen Affinity purified polyclonal antibody (Catalog # ABO11632) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method.

Anti-Peptide YY Picoband Antibody - Background

Peptide YY (PYY), also known as peptide tyrosine tyrosine, is a peptide that in humans is encoded by the PYY gene. This gene encodes a member of the neuropeptide Y (NPY) family of peptides. The encoded preproprotein is proteolytically processed to generate two alternative peptide products that differ in length by three amino acids. These peptides, secreted by endocrine cells in the gut, exhibit different binding affinities for each of the neuropeptide Y receptors. Binding of the encoded peptides to these receptors mediates regulation of pancreatic secretion, gut mobility and energy homeostasis. Rare variations in this gene could increase susceptibility to obesity and elevated serum levels of the encoded peptides may be associated with anorexia nervosa.

related human sequence by three amino acids, and identical to the related rat sequence.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Peptide YY Picoband Antibody - Protein Information**Name** Pyy**Function**

This gut peptide inhibits exocrine pancreatic secretion, has a vasoconstrictory action and inhibits jejunal and colonic mobility.

Cellular Location

Secreted.

Anti-Peptide YY Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)