

Datasheet for ABIN5647902
anti-Peptide YY antibody (AA 29-64)

5 Images

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Overview

Quantity:	100 µg
Target:	Peptide YY (PYY)
Binding Specificity:	AA 29-64
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Peptide YY antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Amino acids 29-64 (YPAKPEAPGEDASPEELSRYYASLRHYLNLVTRQRY) from the mouse protein were used as the immunogen for the PYY antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	Peptide YY (PYY)
Alternative Name:	PYY / Peptide YY (PYY Products)
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

Target Details

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.

UniProt: [Q9EPS2](#)

Application Details

Application Notes: Western blot: 0.5-1 µg/mL, IHC (FFPE): 1-2 µg/mL

Restrictions: For Research Use only

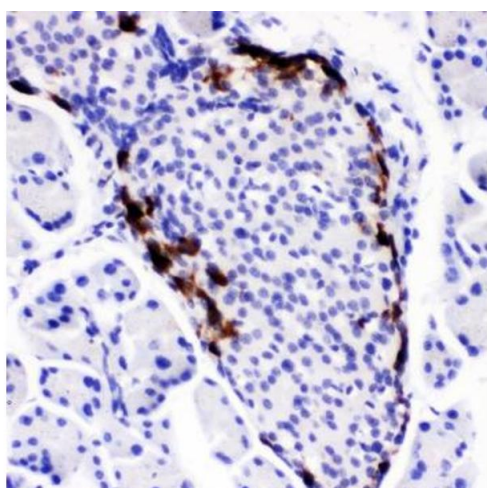
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

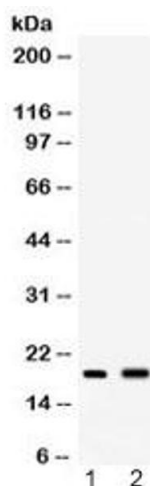
Storage Comment: Prior to reconstitution, store at 4°C. After reconstitution, the PYY antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



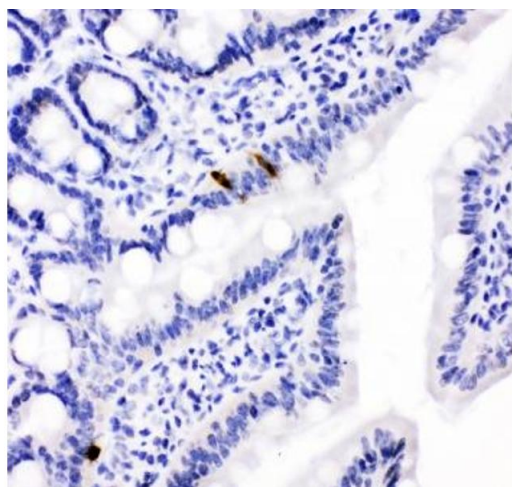
Immunohistochemistry

Image 1. IHC testing of FFPE mouse pancreas with PYY antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



Western Blotting

Image 2. Western blot testing of 1) mouse spleen and 2) mouse liver lysate with PYY antibody at 0.5ug/ml. Expected molecular weight: 11/4 kDa (preproprotein/mature).



Immunohistochemistry

Image 3. IHC testing of FFPE rat intestine with PYY antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5647902.