




Anti-Peptide YY/PYY antibody ab22663

★★★★★ [5 Abreviews](#) [19 References](#) [4 Images](#)

Overview

Product name	Anti-Peptide YY/PYY antibody
Description	Rabbit polyclonal to Peptide YY/PYY
Host species	Rabbit
Specificity	Immunostaining may be abolished by preincubation with 1nmol synthetic porcine PYY per mL diluted antibody. NPY and PP (10nmol/mL) have no effect on immunostaining.
Tested applications	Suitable for: IHC-FoFr, IHC-P
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Rabbit, Dog, Human 
Immunogen	Full length native protein (purified) corresponding to Pig Peptide YY/PYY aa 1-36. Sequence: YPAKPEAPGE DASPEELSR YASLRHYLNL VTRQRY Database link: P68005 <div>  Run BLAST with  Run BLAST with </div>
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.07% Sodium azide
Purity	Whole antiserum
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab22663 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-FoFr		Use at an assay dependent concentration.
IHC-P	★★★★★ (4)	Use at an assay dependent concentration.

Target

Function

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

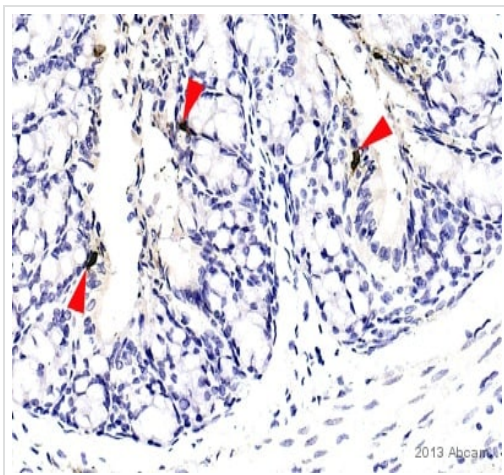
Sequence similarities

Belongs to the NPY family.

Cellular localization

Secreted.

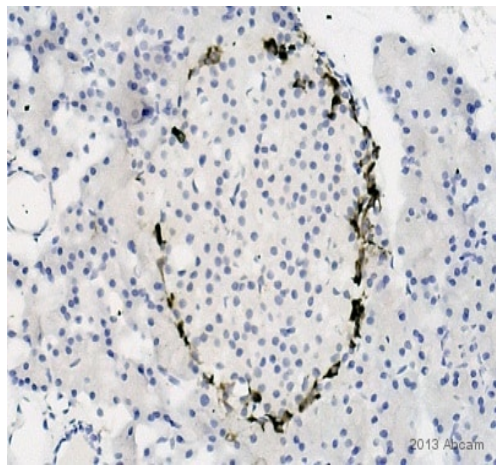
Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peptide YY/PYY antibody (ab22663)

Image courtesy of Carl Hobbs, Kings College London, U.K.

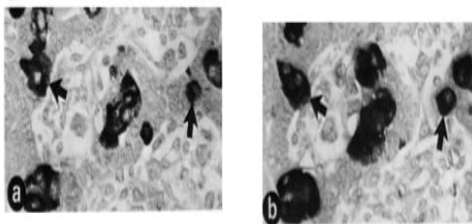
IHC image of Peptide YY/PYY staining in mouse colon formalin fixed paraffin embedded tissue section. Antigen retrieval was heat mediated with citrate and sections were blocked in 1% B.S.A for 10 minutes at 21°C. Sample was incubated in primary antibody at 1/9000 for 2 hours and a biotin conjugated goat-anti-rabbit secondary was used at 1/250.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peptide YY/PYY antibody (ab22663)

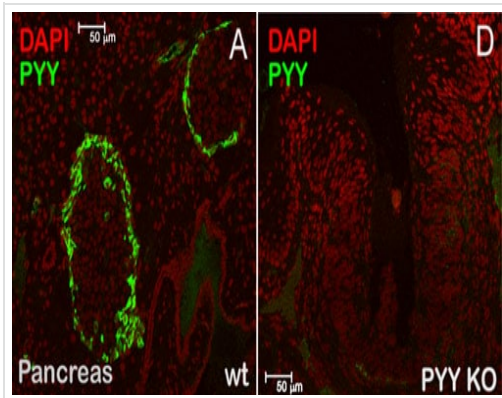
Image courtesy of Carl Hobbs, Kings College London, U.K.

IHC image of Peptide YY/PYY staining in rat pancreas formalin fixed paraffin embedded tissue section. Antigen retrieval was heat mediated with citrate and sections were blocked in 1% B.S.A for 10 minutes at 21°C. Sample was incubated in primary antibody at 1/9000 for 2 hours and a biotin conjugated goat-anti-rabbit secondary was used at 1/250.



Immunohistochemistry (PFA perfusion fixed frozen sections) - Anti-Peptide YY/PYY antibody (ab22663)

Adjacent de-waxed sections of Bouin-fixed fetal (14 day) rat pancreas stained with rabbit polyclonal antisera to PYY (ab22663; panel a) and glucagon ([ab18461](#); panel b). Arrows indicate identical cell profiles. From Ali-Rachedi et al, 1984.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Peptide YY/PYY antibody (ab22663)

Image from Acosta A et al., PLoS One. 2011;6(10):e26137. Epub 2011 Oct 10. Fig 2.; doi:10.1371/journal.pone.0026137; October 10, 2011, PLoS ONE 6(10): e26137.

ab22663 staining Peptide YY/PYY (green) in murine pancreas tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections).

Tissue (left, WT; right, Peptide YY/PYY KO) was fixed with paraformaldehyde and blocked with 3% H₂O₂ in methanol, followed by antigen retrieval with trypsin. Samples were incubated with primary antibody (1/2000 in TNT) overnight. An AlexaFluor®488-conjugated donkey anti-rabbit IgG (1/1000 in TNT) was used as the secondary antibody. Nuclei were stained with DAPI (red).

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