

## Anti-Peptide YY/PYY Antibody Fluoro488 Conjugated

Catalog Number: A04223-1-Fluoro488

### About PYY

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.

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### Overview

|                      |   |
|----------------------|---|
| Product Name         | Anti-Peptide YY/PYY Antibody Fluoro488 Conjugated   |
| Reactive Species     | Human   |
| Application          | Recommended applications are based on the parent unconjugated antibody (IHC). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .  |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.  |
| Host                 | Rabbit  |
| Uniprot ID           | P10082  |

### Technical Details

|                  |  |
|------------------|--|
| Immunogen        | A synthetic peptide corresponding to a sequence in the middle region of human Peptide YY/PYY, which shares 91.7% amino acid (aa) sequence identity with both mouse and rat Peptide YY/PYY. |
| Cross Reactivity | No cross-reactivity with other proteins.   |
| Isotype          | Rabbit IgG   |
| Form             | Liquid   |
| Concentration    | 0.5 mg/mL  |

|                     |   |
|---------------------|---|
| Purification        | Immunogen affinity purified.  |
| Conjugate           | Fluoro488<br>Excitation Wavelength: 488 nm<br>Emission Wavelength: 515-545 nm |
| Suggested Dilutions | Optimal dilutions should be determined by end users.                          |

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