

## Anti-beta 2 Adrenergic Receptor/ADRB2 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9365-Fluoro488

### About ADRB2

ADRB2, also known as beta-2 adrenergic receptor, is a beta-adrenergic receptor within a cell membrane which reacts with adrenaline (epinephrine) as a hormone or neurotransmitter affecting muscles or organs. It is mapped to 5q32. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca (V)1.2. The genetic variation in the ADRB2 gene may be of major importance for obesity, energy expenditure, and lipolytic ADRB2 function in adipose tissue, at least in women. What's more, it has been found that activation of ADRB2 receptors can stimulate gamma-secretase activity and beta-amyloid production, and the ADRB2 receptors activator may contribute to beta-amyloid accumulation in AD.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-beta 2 Adrenergic Receptor/ADRB2 Antibody Picoband® Fluoro488 Conjugated  |
| Reactive Species     | Human, Rat   |
| Application          | Recommended applications are based on the parent unconjugated antibody (WB). 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% Na <sub>3</sub> N.   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | P07550   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | A synthetic peptide corresponding to a sequence in the middle region of human ADRB2, different from the related mouse and rat sequences by three amino acids. |
| Cross Reactivity | No cross-reactivity with other proteins.  |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | Fluoro488   |

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

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