

Datasheet for ABIN682727

## anti-beta 2 Adrenergic Receptor antibody (pSer346) (Cy5)



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### Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | beta 2 Adrenergic Receptor (ADRB2)                                                                      |
| Binding Specificity: | pSer346                                                                                                 |
| Reactivity:          | Human, Rat                                                                                              |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This beta 2 Adrenergic Receptor antibody is conjugated to Cy5                                           |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

### Product Details

|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic phosphopeptide derived from human ADRB2 around the phosphorylation site of Ser346 |
| Isotype:              | IgG                                                                                                        |
| Cross-Reactivity:     | Human, Rat                                                                                                 |
| Predicted Reactivity: | Mouse,Dog,Sheep,Horse                                                                                      |
| Purification:         | Purified by Protein A.                                                                                     |

### Target Details

|         |                                    |
|---------|------------------------------------|
| Target: | beta 2 Adrenergic Receptor (ADRB2) |
|---------|------------------------------------|

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alternative Name: | ADRB2 ( <a href="#">ADRB2 Products</a> )                                                                                                                                                                                                                                                                                                                                                                        |
| Background:       | <p>Synonyms: BAR, B2AR, ADRBR, ADRB2R, BETA2AR, Beta-2 adrenergic receptor, Beta-2 adrenoreceptor, Beta-2 adrenoceptor, ADRB2</p> <p>Background: Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. The beta-2-adrenergic receptor binds epinephrine with an approximately 30-fold greater affinity than it does norepinephrine.</p> |
| Gene ID:          | 154                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt:          | <a href="#">P07550</a>                                                                                                                                                                                                                                                                                                                                                                                          |
| Pathways:         | <a href="#">cAMP Metabolic Process</a> , <a href="#">Synaptic Membrane</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Brown Fat Cell Differentiation</a>                                                                                                                                                                                                        |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |