

Datasheet for ABIN7090735

## anti-beta 2 Adrenergic Receptor antibody (AA 201-300)



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### Overview

|                      |                                                                                                                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                                                                            |
| Target:              | beta 2 Adrenergic Receptor (ADRB2)                                                                                                                                                                |
| Binding Specificity: | AA 201-300                                                                                                                                                                                        |
| Reactivity:          | Rat, Mouse                                                                                                                                                                                        |
| Host:                | Rabbit                                                                                                                                                                                            |
| Clonality:           | Polyclonal                                                                                                                                                                                        |
| Conjugate:           | This beta 2 Adrenergic Receptor antibody is un-conjugated                                                                                                                                         |
| Application:         | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)) |

### Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human ADRB2 |
| Isotype:              | IgG                                                       |
| Cross-Reactivity:     | Mouse, Rat                                                |
| Predicted Reactivity: | Human,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: Beta 2-adrenergic receptor, beta 2 Adrenergic Receptor, ADRB2, ADRB2R, ADRBR, ADRB2_HUMAN, Adrenergic beta 2 receptor surface, B2AR, BAR, beta 2 adrenoceptor, Beta 2 adrenoreceptor, BETA2AR, Catecholamine receptor, beta2-adrenergic receptor.</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: | WB 1:300-5000<br>ELISA 1:500-1000<br>IHC-P 1:200-400<br>IHC-F 1:100-500<br>IF()<br>ICC 1:100-500 |
| Restrictions:      | For Research Use only                                                                            |

## Handling

|                    |                                                                                                                   |
|--------------------|-------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1 µg/µL                                                                                                           |
| Buffer:            | 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:           | 4 °C,-20 °C                                                                                                       |
| Storage Comment:   | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.                                   |
| Expiry Date:       | 12 months                                                                                                         |