

Datasheet for ABIN4996141

**anti-ADORA1 antibody (AA 202-238) (AbBy Fluor® 680)**[Go to Product page](#)

## Overview

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Quantity:            | 100 µL                                                |
| Target:              | ADORA1                                                |
| Binding Specificity: | AA 202-238                                            |
| Reactivity:          | Human, Rat, Mouse                                     |
| Host:                | Rabbit                                                |
| Clonality:           | Polyclonal                                            |
| Conjugate:           | This ADORA1 antibody is conjugated to AbBy Fluor® 680 |
| Application:         | Western Blotting (WB)                                 |

## Product Details

|                       |                                                                           |
|-----------------------|---------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human Adenosine A1 Receptor |
| Isotype:              | IgG                                                                       |
| Cross-Reactivity:     | Human, Mouse                                                              |
| Predicted Reactivity: | Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit                                      |
| Purification:         | Purified by Protein A.                                                    |

## Target Details

|                   |                                               |
|-------------------|-----------------------------------------------|
| Target:           | ADORA1                                        |
| Alternative Name: | ADORA1 ( <a href="#">ADORA1 Products</a> )    |
| Background:       | Synonyms: RDC7, Adenosine receptor A1, ADORA1 |

## Target Details

Background: Adenosine is involved in a variety of processes, including the synthesis of urea, the anti-inflammatory response, and the inhibition of protein synthesis. The Adenosine receptors, including Adenosine A1-R, Adenosine A2A-R, Adenosine A2B-R and Adenosine A3-R, are integral membrane proteins that are members of the G protein-coupled receptor family. Adenosine A1-R mediates ureagenesis in a partially calcium-dependent manner. Adenosine is known to mediate coronary vasodilation via Adenosine A2A-R. Collagen synthesis and total protein synthesis are inhibited in certain cells by Adenosine, acting via the A2B receptors. Activation of Adenosine A3-R inhibits the induction of TNF $\alpha$  and blocks the endotoxin CD14 receptor signal transduction pathway.

|           |                                                                                                                                       |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 134                                                                                                                                   |
| UniProt:  | <a href="#">P30542</a>                                                                                                                |
| Pathways: | <a href="#">EGFR Signaling Pathway</a> , <a href="#">Negative Regulation of Hormone Secretion</a> , <a href="#">Synaptic Membrane</a> |

## Application Details

|                    |                       |
|--------------------|-----------------------|
| Application Notes: | IF(IHC-P) 1:50-200    |
| Restrictions:      | For Research Use only |

## Handling

|                  |                                                                                                             |
|------------------|-------------------------------------------------------------------------------------------------------------|
| Format:          | Liquid                                                                                                      |
| Concentration:   | 1 $\mu$ g/ $\mu$ L                                                                                          |
| Buffer:          | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol. |
| Storage:         | -20 °C                                                                                                      |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                           |
| Expiry Date:     | 12 months                                                                                                   |