

## Product datasheet for **AP01303PU-N**

### Adenosine A1 Receptor (ADORA1) Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | IF, WB   |
| Recommended Dilution:   | <b>Immunofluorescence:</b> 1/50-1/200.<br><b>Western blot:</b> 1/500-1/1000.   |
| Reactivity:             | Human, Mouse, Rat  |
| Host:                   | Rabbit   |
| Clonality:              | Polyclonal   |
| Specificity:            | This antibody detects endogenous levels of Adenosine A1-R protein (region surrounding Asp326).   |
| Formulation:            | Phosphate buffered saline (PBS), pH~7.2<br>State: Aff - Purified<br>State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE).<br>Preservative: 0.05% Sodium Azide |
| Concentration:          | 1.0 mg/ml  |
| Purification:           | Affinity Chromatography using epitope-specific immunogen.  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.   |
| Stability:              | Shelf life: one year from despatch.  |
| Predicted Protein Size: | ~ 42 kDa   |
| Gene Name:              | adenosine A1 receptor  |
| Database Link:          | <a href="#">Entrez Gene 134 Human P30542</a>   |



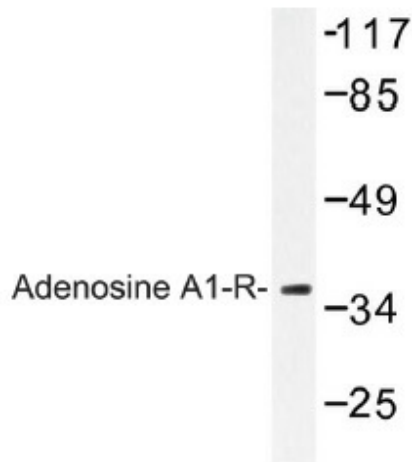
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**Background:**

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. The A1-R protein mediates ureagenesis in a partially calcium-dependent manner. Adenosine is known to mediate coronary vasodilation via the A2A-R receptor. Collagen synthesis and total protein synthesis are inhibited in certain cells by Adenosine, acting via the A2B receptors. Activation of the A3-R receptor inhibits the induction of the cytokine TNF $\alpha$  and blocks the endotoxin CD14 receptor signal transduction pathway.

**Synonyms:**

ADORA1

**Product images:**

Western blot (WB) analysis of Adenosine A1-R antibody (Cat.-No.: AP01303PU-N) in extracts from MCF-7 cells.