

AP16412PU-N**Polyclonal Antibody to Adenosine receptor A2b (C-term) - Aff - Purified****Alternate names:** ADORA2B**Quantity:** 0.1 mg**Concentration:** 0.5 mg/ml**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 α and blocks the endotoxin CD14 receptor signal transduction pathway.**Uniprot ID:** [P29275](#)**NCBI:** [9606](#)**GeneID:** [136](#)**Host:** Goat**Immunogen:** Peptide with sequence from the C Terminus of the protein sequence (NP_000667.1).**Genename:** ADORA2B**AA Sequence:**

CQADVKSGNGQ

Format: **State:** Liquid purified Ig fraction**Purification:** Affinity Chromatography using the immunizing peptide.**Buffer System:** Tris saline, pH~7.3**Preservatives:** 0.02% Sodium Azide**Stabilizers:** 0.5% BSA**Applications:** **Peptide ELISA:** 1/4000 (Detection Limit).**Western Blot:** Preliminary experiments in Human Colon, Lung and Placenta lysates gave no specific signal but low background at antibody concentration up to 1 μ g/ml.**Immunohistochemistry on Paraffin Sections:** 2-4 μ g/ml. In paraffin embedded Human Kidney shows cytoplasm staining in cells of renal tubules.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognizes Adenosine receptor A2b.**Species:** Human.

Other species not tested.

Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: 1. Bazzichi L, Trincavelli L, Rossi A, De Feo F, Lucacchini A, Bombardieri S, Martini C. A2B adenosine receptor activity is reduced in neutrophils from patients with systemic sclerosis. *Arthritis Res Ther.* 2005;7(2):R189-95. Epub 2004 Dec 10. PMID: 15743465

Pictures: TA305620 (2µg/ml) staining of paraffin embedded Human Kidney. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

