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# Anti-Adenosine A2b Receptor Antibody

Catalog # AP53841

## Product Information

| | |
|---|---|
| **Application** | WB, IHC, IF/IC |
| **Primary Accession** | P29275 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 36333 |

## Additional Information

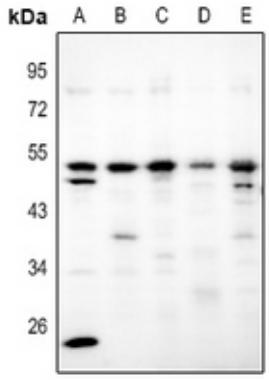
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|---|---|
| **Gene ID** | 136 |
| **Other Names** | Adenosine receptor A2b |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human Adenosine A2b Receptor. The exact sequence is proprietary. |
| **Dilution** | WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

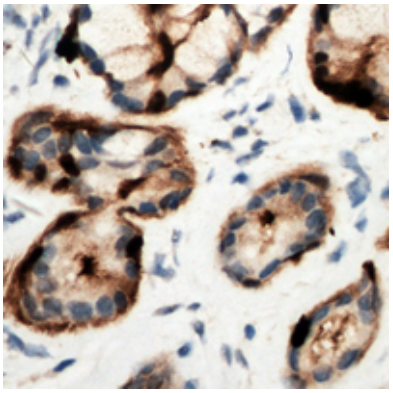
## Protein Information

| | |
|---|---|
| **Name** | ADORA2B |
| **Function** | Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. |

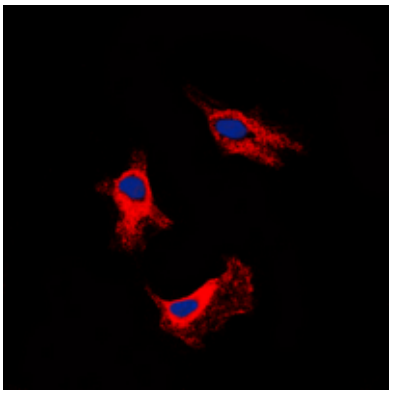
## Images

Western blot analysis of Adenosine A2b Receptor expression in HCT116 (A), A375 (B), EC9706 (C), CT26 (D), C6 (E) whole cell lysates. (Predicted band size: 36 kD; Observed band size: 50 kD)

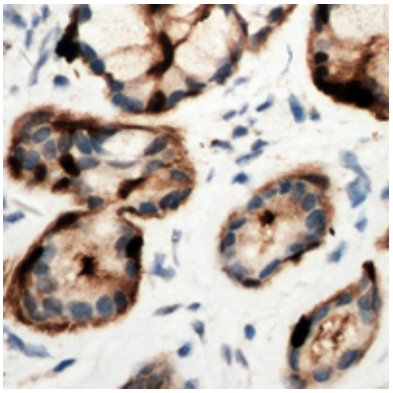


Immunohistochemical analysis of Adenosine A2b Receptor staining in human pancreas formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Adenosine A2b Receptor staining in SHSY5Y cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of Adenosine A2b Receptor staining in human pancreas formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.