# Adenosine A2A-R Polyclonal Antibody

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| **Catalog No** | YP-Ab-13137 |
| **Isotype** | IgG |
| **Reactivity** | Human;Rat;Mouse; |
| **Applications** | WB;IHC;IF;ELISA |
| **Gene Name** | ADORA2A |
| **Protein Name** | Adenosine receptor A2a |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human ADORA2A. AA range:120-169 |
| **Specificity** | Adenosine A2A-R Polyclonal Antibody detects endogenous levels of Adenosine A2A-R protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Polyclonal, Rabbit,IgG |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications. |
| **Concentration** | 1 mg/ml |
| **Purity** | ≥90% |
| **Storage Stability** | -20°C/1 year |
| **Synonyms** | ADORA2A; ADORA2; Adenosine receptor A2a |
| **Observed Band** | 37kD |
| **Cell Pathway** | Cell membrane ; Multi-pass membrane protein . Colocalizes with GAS2L2 at neuronal processes. . |
| **Tissue Specificity** | Brain,Hippocampus,Lymph,Thymus, |
| **Function** | function:Receptor for adenosine. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family., |
| **Background** | adenosine A2a receptor(ADORA2A) Homo sapiens This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily, which is subdivided into classes and subtypes. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein, an adenosine receptor of A2A subtype, uses adenosine as the preferred endogenous agonist and preferentially interacts with the G(s) and G(olf) family of G proteins to increase intracellular cAMP levels. It plays an important role in many biological functions, such as cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. It has been implicated in |

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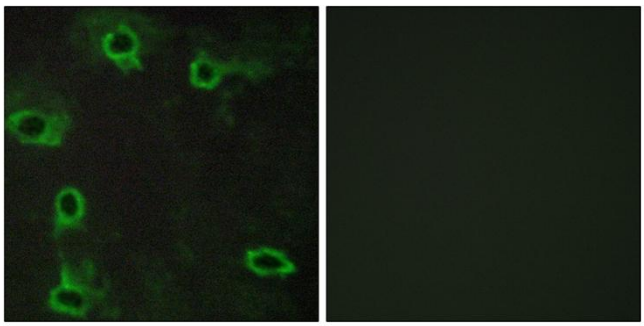
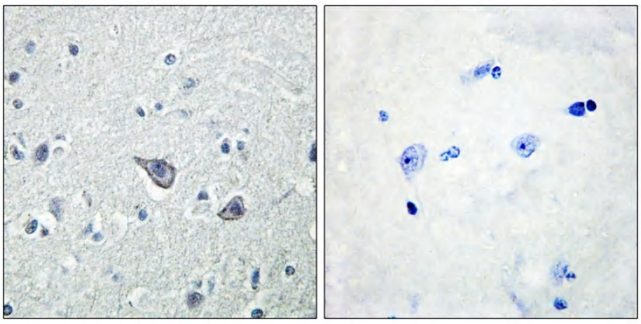
| | pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript compos |
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

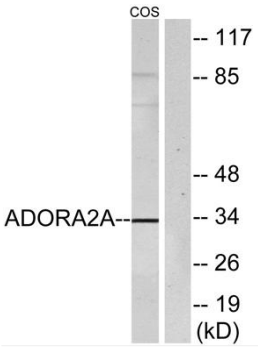
## Products Images



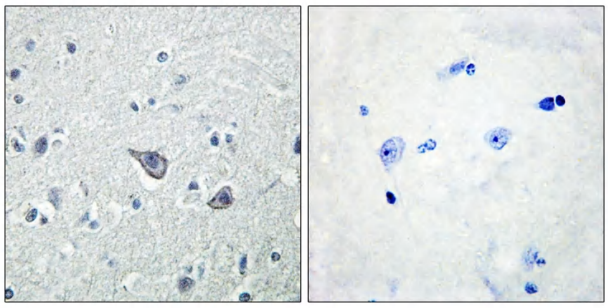
Immunofluorescence analysis of COS7 cells, using ADORA2A Antibody. The picture on the right is blocked with the synthesized peptide.



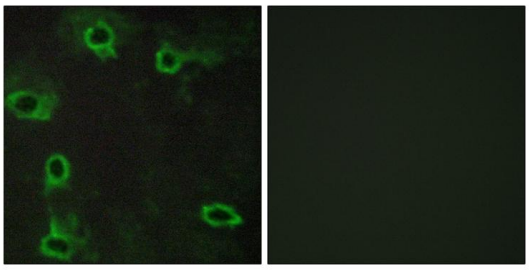
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADORA2A Antibody. The picture on the right is blocked with the synthesized peptide.




Western blot analysis of ADORA2A Antibody. The lane on the right is blocked with the ADORA2A peptide.



Immunohistochemistryt analysis of paraffin-embedded human brain, using ADORA2A Antibody. The lane on the right is blocked with the ADORA2A peptide.



Immunofluorescence analysis of ADORA2A Antibody. The lane on the right is blocked with the ADORA2A peptide.