



Adenosine A2A-R Polyclonal Antibody

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



pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript compos

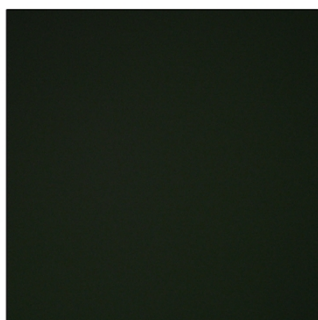
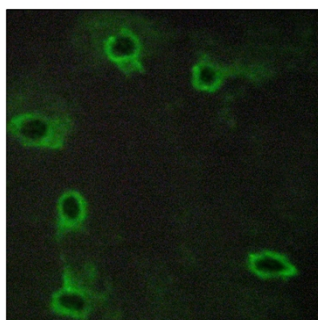
matters needing attention

Avoid repeated freezing and thawing!

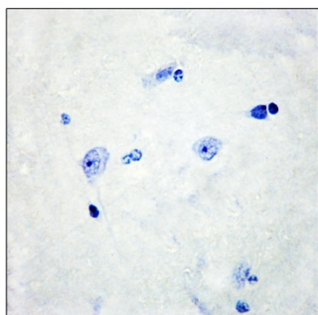
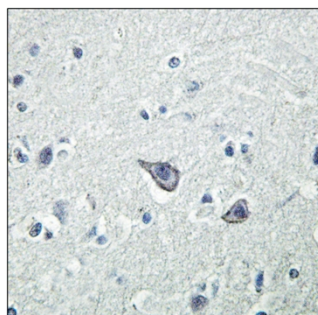
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

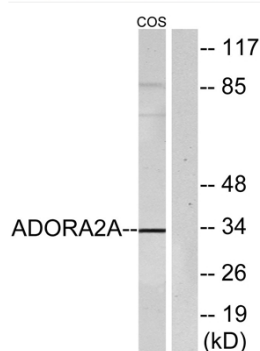
Products Images



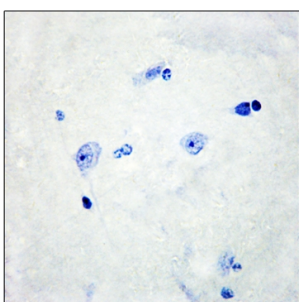
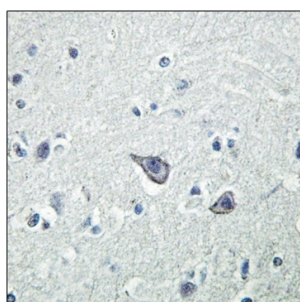
Immunofluorescence analysis of COS7 cells, using ADORA2A Antibody. The picture on the right is blocked with the synthesized peptide.



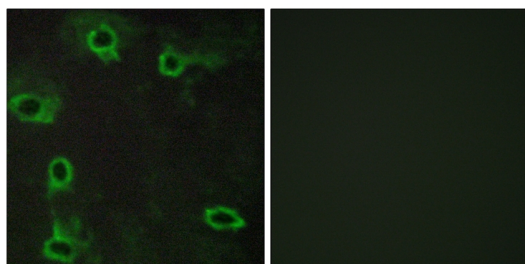
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using ADORA2A Antibody. The picture on the right is blocked with the synthesized peptide.



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



Immunohistochemistry 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.