

## Adenosine A1-R Polyclonal Antibody

<b>Catalog No :</b>	YT0128
<b>Reactivity :</b>	Human;Rat
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	Adenosine A1-R
<b>Fields :</b>	>>cGMP-PKG signaling pathway;>>cAMP signaling pathway;>>Sphingolipid signaling pathway;>>Neuroactive ligand-receptor interaction;>>Regulation of lipolysis in adipocytes;>>Renin secretion;>>Morphine addiction
<b>Gene Name :</b>	ADORA1
<b>Protein Name :</b>	Adenosine receptor A1
<b>Human Gene Id :</b>	134
<b>Human Swiss Prot No :</b>	P30542
<b>Mouse Swiss Prot No :</b>	Q60612
<b>Rat Gene Id :</b>	29290
<b>Rat Swiss Prot No :</b>	P25099
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human ADORA1. AA range:277-326
<b>Specificity :</b>	Adenosine A1-R Polyclonal Antibody detects endogenous levels of Adenosine A1-R protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:20000. Not yet tested in other applications.

<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	37kD
<b>Cell Pathway :</b>	Neuroactive ligand-receptor interaction;
<b>Background :</b>	<p>The protein encoded by this gene is an adenosine receptor that belongs to the G-protein coupled receptor 1 family. There are 3 types of adenosine receptors, each with a specific pattern of ligand binding and tissue distribution, and together they regulate a diverse set of physiologic functions. The type A1 receptors inhibit adenylyl cyclase, and play a role in the fertilization process. Animal studies also suggest a role for A1 receptors in kidney function and ethanol intoxication. Transcript variants with alternative splicing in the 5' UTR have been found for this gene. [provided by RefSeq, Jul 2008],</p>
<b>Function :</b>	<p>function:Receptor for adenosine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.,similarity:Belongs to the G-protein coupled receptor 1 family.,</p>
<b>Subcellular Location :</b>	Cell membrane ; Multi-pass membrane protein.
<b>Expression :</b>	Brain,Heart,Hippocampus,
<b>Sort :</b>	1752
<b>Host :</b>	Rabbit
<b>Modifications :</b>	Unmodified

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