

# Anti-Adenosine A1 Receptor Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

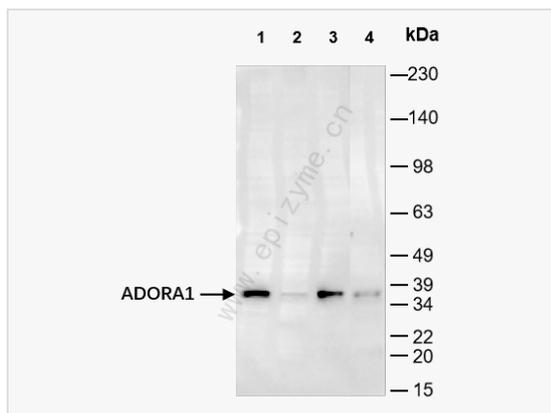
Catalog # R015117

## Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	27I04G14
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human ADORA1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14] is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

Synonyms	A1AR; A1R; AA1R; AA1R_HUMAN; Adenosine receptor A1; ADORA 1; ADORA 1; ADORA1; RDC 7; RDC7; Ri
Calculated MW	Calculated MW: 37 kDa; Observed MW: 37 kDa
Uniprot ID	P30542
Gene ID	134
Background	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]
Cellular Location	Cell membrane.



Western Blot - Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14]

All lanes: R015117 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: Huh1 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

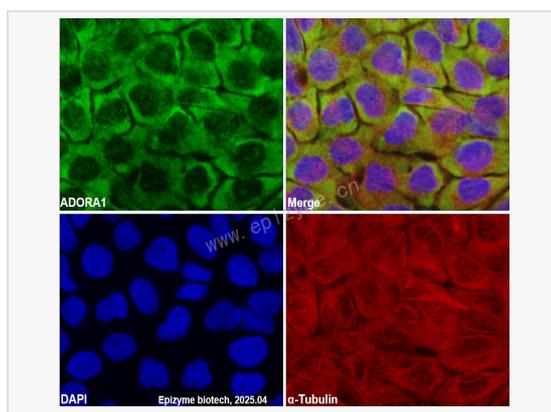
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 37 kDa

Observed band size: 37 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14]

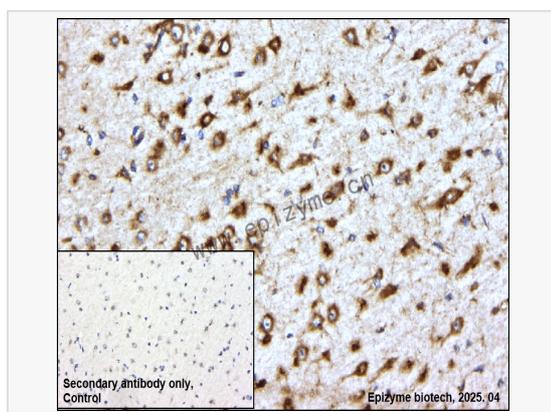
Sample: A431 cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R015117 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).



Immunohistochemistry - Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

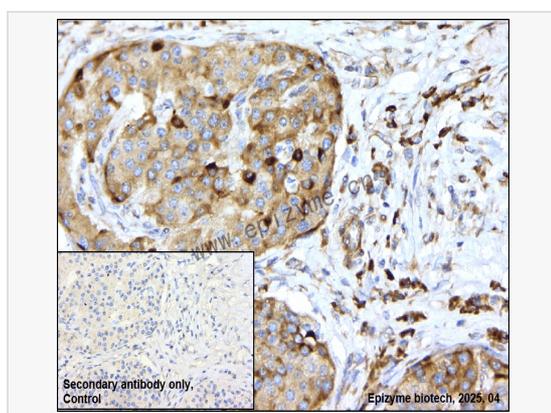
Primary antibody: R015117 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14]

Sample: Paraformaldehyde-fixed, paraffin embedded human pancreatic cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

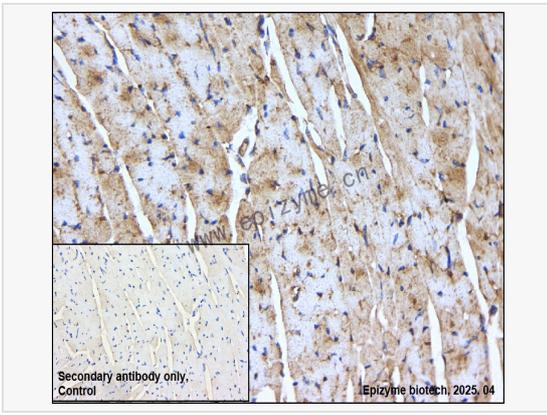
Primary antibody: R015117 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution DAB was used as the chromogen.

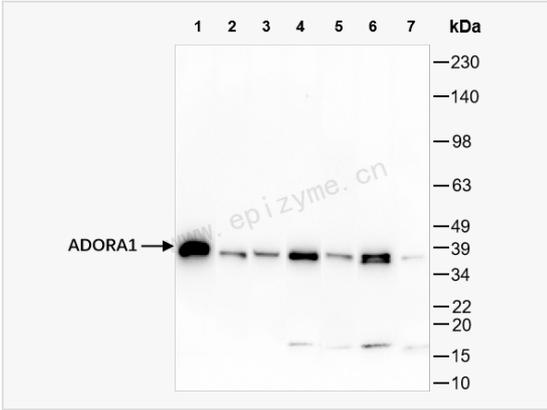
Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.



**Immunohistochemistry - Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14]**  
 Sample: Paraformaldehyde-fixed, paraffin embedded mouse heart tissue  
 Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.  
 Primary antibody: R015117 at 1:200 dilution  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
 DAB was used as the chromogen.  
 Counter stained with hematoxylin.  
 Positive/negative staining were presented.  
 Only the secondary antibody was used as the negative control.



**Western Blot - Anti-Adenosine A1 Receptor Rabbit mAb [27I04G14]**  
 All lanes: R015117 at 1:1,000 dilution  
 Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates  
 Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates  
 Lane 3: K562 (Human chronic myeloid leukemia cell) whole cell lysates  
 Lane 4: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates  
 Lane 5: Mouse liver whole tissue lysates  
 Lane 6: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates  
 Lane 7: Rat brain whole tissue lysates  
 Lysates/proteins at 10 µg per lane.  
 Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution  
 Predicted band size: 37 kDa  
 Observed band size: 37 kDa  
 Developed using the ECL technique (Cat. No. SQ201).