



Datasheet for ABIN719396  
**anti-ADORA1 antibody (AA 225-326)**



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2 Images

1 Publication

### Overview

Quantity:	100 µL
Target:	ADORA1
Binding Specificity:	AA 225-326
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADORA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Adenosine A1 Receptor
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	ADORA1
Alternative Name:	ADORA1 ( <a href="#">ADORA1 Products</a> )
Background:	Synonyms: RDC7, Adenosine receptor A1, ADORA1

## Target Details

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Background: Adenosine is involved in a variety of processes, including the synthesis of urea, the anti-inflammatory response, and the inhibition of protein synthesis. The Adenosine receptors, including Adenosine A1-R, Adenosine A2A-R, Adenosine A2B-R and Adenosine A3-R, are integral membrane proteins that are members of the G protein-coupled receptor family. Adenosine A1-R mediates ureagenesis in a partially calcium-dependent manner. Adenosine is known to mediate coronary vasodilation via Adenosine A2A-R. Collagen synthesis and total protein synthesis are inhibited in certain cells by Adenosine, acting via the A2B receptors. Activation of Adenosine A3-R inhibits the induction of TNF $\alpha$  and blocks the endotoxin CD14 receptor signal transduction pathway.

Gene ID: 134

UniProt: [P30542](#)

Pathways: [EGFR Signaling Pathway](#), [Negative Regulation of Hormone Secretion](#), [Synaptic Membrane](#)

## Application Details

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Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 1  $\mu\text{g}/\mu\text{L}$

Buffer: 0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C, -20 °C

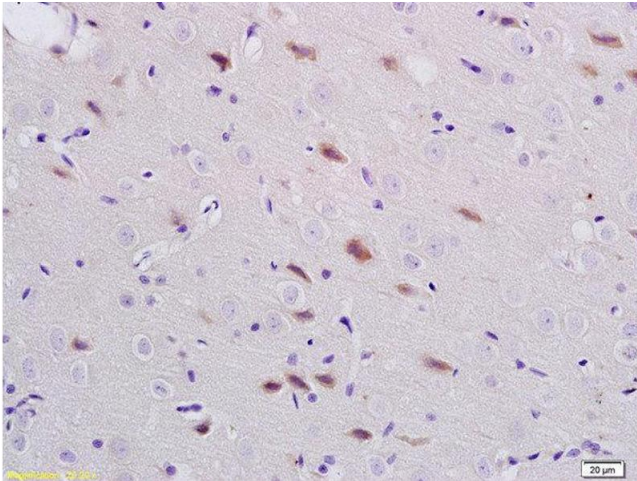
Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months

## Publications

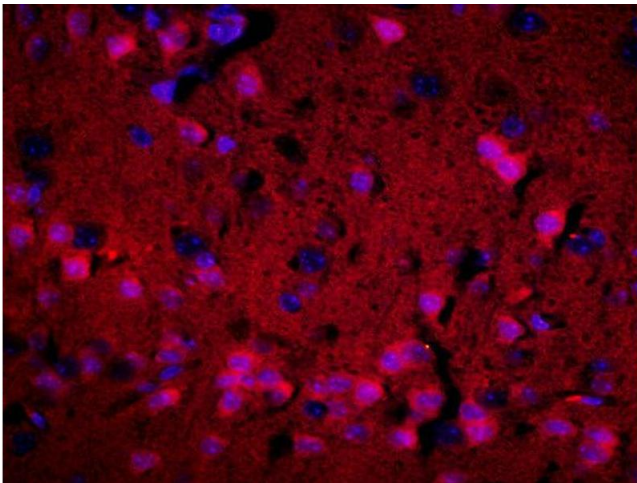
Product cited in: Cao, Dai, Wei, Han, Guan, Li, Liu, Xiao, Li: "Effects of cordycepin on spontaneous alternation behavior and adenosine receptors expression in hippocampus." in: **Physiology & behavior**, Vol. 184, pp. 135-142, (2017) ([PubMed](#)).

## Images



### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Anti-ADORA1 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining



### Immunofluorescence

**Image 2.** Formalin-fixed and paraffin-embedded rat brain labeled with Anti-ADORA1 Polyclonal Antibody, Unconjugated used at 1:200 dilution for 40 minutes at 37°C.