

Datasheet for ABIN317625

anti-Adenosine A3 Receptor antibody**1** Image[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	Adenosine A3 Receptor (ADORA3)
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenosine A3 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of Adenosine A3-R protein.(region surrounding Glu318)
Purification:	Affinity Chromatography using epitope-specific immunogen

Target Details

Target:	Adenosine A3 Receptor (ADORA3)
Alternative Name:	Adenosine Receptor A3 (ADORA3 Products)
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. The A1-R

Target Details

protein mediates ureagenesis in a partially calcium-dependent manner. Adenosine is known to mediate coronary vasodilation via the A2A-R receptor. Collagen synthesis and total protein synthesis are inhibited in certain cells by adenosine, acting via the A2B receptors. Activation of the A3-R receptor inhibits the induction of the cytokine TNFalpha and blocks the endotoxin CD14 receptor signal transduction pathway.Synonyms: ADORA3, Adenosine A3 receptor

Molecular Weight: approx. 38 kDa

Gene ID: 140

NCBI Accession: [NP_000668](#)

UniProt: [P33765](#)

Pathways: [Hormone Transport](#), [cAMP Metabolic Process](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: ELISA: 1/10000-1/20000. Western Blot: 1/500-1/1000. Immunohistochemistry: 1/50 - 1/200.
Immunofluorescence: 1/50 - 1/200.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Phosphate buffered saline (PBS), pH ~7.2, 0.05 % Sodium Azide

Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

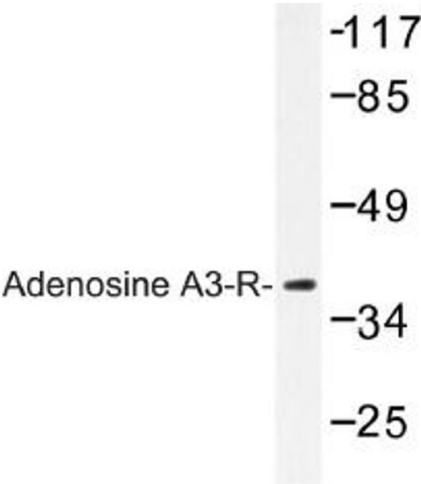


Image 1.