

Datasheet for ABIN317738 **anti-ADORA1 antibody**

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Overview

Quantity:	0.1 mg
Target:	ADORA1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADORA1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Specificity:	This antibody detects endogenous levels of Adenosine A1-R protein.(region surrounding Leu591)
Cross-Reactivity (Details):	Species reactivity (tested):Human and Mouse.
Purification:	Affinity Chromatography using epitope-specific immunogen.

Target Details

Target:	ADORA1
Alternative Name:	Adenosine Receptor A1 (ADORA1 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 TNF α and blocks the endotoxin CD14 receptor signal transduction pathway.Synonyms: ADORA1

Molecular Weight:	approx. 37 kDa
Gene ID:	134
NCBI Accession:	NP_000665
UniProt:	P30542
Pathways:	EGFR Signaling Pathway , Negative Regulation of Hormone Secretion , Synaptic Membrane

Application Details

Application Notes:	ELISA: 1/20000-1/40000. Western Blot: 1/500-1/1000. 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 the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Image 1.