

Datasheet for ABIN2788278

anti-Adenosine A3 Receptor antibody (C-Term)



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2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Adenosine A3 Receptor (ADORA3)
Binding Specificity:	C-Term
Reactivity:	Human, Cow, Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Adenosine A3 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human ADORA3
Sequence:	RSCKAPKVVR KADRSRTSIL IICILITGLG IISVISHLTK RRRSQNRNV
Predicted Reactivity:	Cow: 75%, Horse: 93%, Human: 100%, Pig: 85%, Rabbit: 77%
Characteristics:	This is a rabbit polyclonal antibody against ADORA3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	Adenosine A3 Receptor (ADORA3)
Alternative Name:	ADORA3 (ADORA3 Products)

Target Details

Background: This gene encodes a protein that belongs to the family of adenosine receptors, which are G-protein-coupled receptors that are involved in a variety of intracellular signaling pathways and physiological functions. The receptor encoded by this gene mediates a sustained cardioprotective function during cardiac ischemia, it is involved in the inhibition of neutrophil degranulation in neutrophil-mediated tissue injury, it has been implicated in both neuroprotective and neurodegenerative effects, and it may also mediate both cell proliferation and cell death. Multiple transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: A3AR, AD026, bA552M11.5, RP11-552M11.7

Protein Interaction Partner: YWHAQ, YWHAZ,

Protein Size: 266

Molecular Weight: 30 kDa

Gene ID: 140

NCBI Accession: [NM_001081976](#), [NP_001075445](#)

UniProt: [Q5QNY7](#)

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

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 266 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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

Handling Advice: Avoid repeated freeze-thaw cycles.

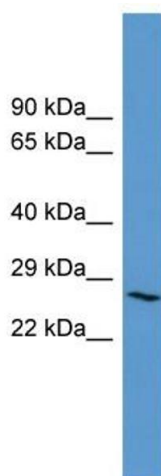
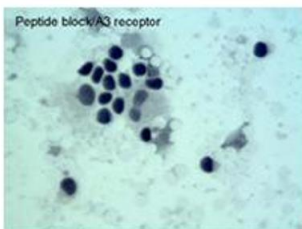
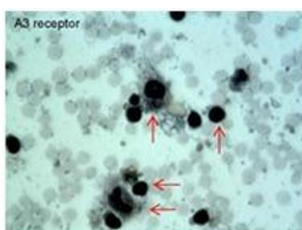
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Merighi, Benini, Mirandola, Gessi, Varani, Leung, MacLennan, Baraldi, Borea: "Hypoxia inhibits paclitaxel-induced apoptosis through adenosine-mediated phosphorylation of bad in glioblastoma cells." in: **Molecular pharmacology**, Vol. 72, Issue 1, pp. 162-72, (2007) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Sample type -- Oral Cell Carcinoma Dilution -- 5ug/mL

Western Blotting

Image 2. WB Suggested Anti-ADORA3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Lung