

Rabbit ADORA2A Polyclonal Antibody | anti-ADORA2A antibody

ADORA2A Polyclonal Antibody

CATALOG # AAA37020	HOST Rabbit	APPLICATIONS Immunofluorescence, Western Blot
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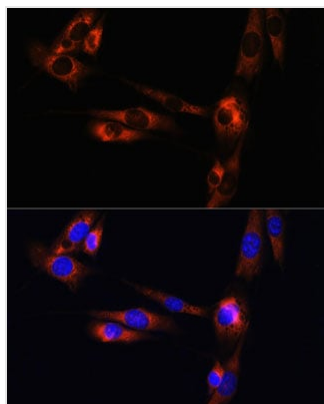
PRODUCT SYNONYMS

ADORA2A; Polyclonal Antibody; ADORA2A Polyclonal Antibody; ADORA2; RDC8; hA2Ar; anti-ADORA2A antibody

PRODUCT SPECIFICATIONS

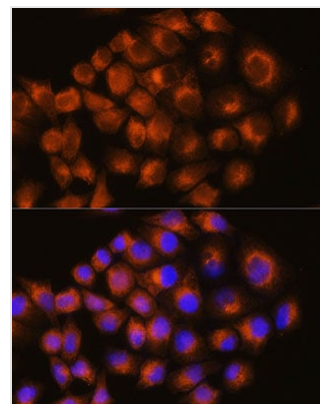
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence Length	412
Applicable Applications for anti-ADORA2A antibody	IF (Immunofluorescence), WB (Western Blot)
Species Reactivity/Cross-Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 100-200 of human ADORA2A (NP_000666.2).
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



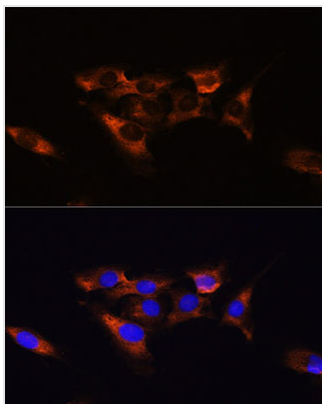
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using ADORA2A antibody (AAA37020) at dilution of 1:100. Blue: DAPI for nuclear staining.



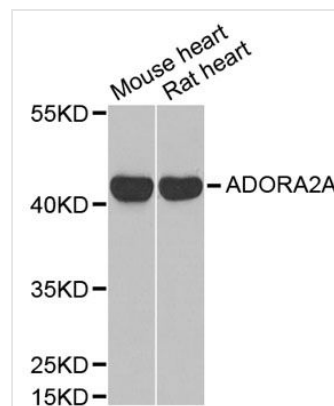
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using ADORA2A antibody (AAA37020) at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using ADORA2A antibody (AAA37020) at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ADORA2A antibody (AAA37020) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-ADORA2A antibody

Background: This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor (GPCR) superfamily, which is subdivided into classes and subtypes. The receptors are seven-pass transmembrane proteins that respond to extracellular cues and activate intracellular signal transduction pathways. This protein, an adenosine receptor of A2A subtype, uses adenosine as the preferred endogenous agonist and preferentially interacts with the G(s) and G(olf) family of G proteins to increase intracellular cAMP levels. It plays an important role in many biological functions, such as cardiac rhythm and circulation, cerebral and renal blood flow, immune function, pain regulation, and sleep. It has been implicated in pathophysiological conditions such as inflammatory diseases and neurodegenerative disorders. Alternative splicing results in multiple transcript variants. A read-through transcript composed of the upstream SPECC1L (sperm antigen with calponin homology and coiled-coil domains 1-like) and ADORA2A (adenosine A2a receptor) gene sequence has been identified, but it is thought to be non-coding.

Product Categories/Family for anti-ADORA2A antibody

Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	543740
NCBI GeneID	135
UniProt Accession #	P29274; B2R7E0
Molecular Weight	Observed MW: 45kDa Calculated MW: 44kDa
NCBI Official Full Name	Adenosine receptor A2a
NCBI Official Synonym Full Names	adenosine A2a receptor
NCBI Official Symbol	ADORA2A
NCBI Official Synonym Symbols	A2aR; RDC8; ADORA2
NCBI Protein Information	adenosine receptor A2a; adenosine receptor subtype A2a
UniProt Protein Name	Adenosine receptor A2a
UniProt Gene Name	ADORA2A
UniProt Synonym Gene Names	ADORA2
UniProt Entry Name	AA2AR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adora2a-antibody-immunofluorescence-western-blot-elisa/37020>