

ADORA2A polyclonal antibody

Catalog: BS6513

Host: Rabbit

Reactivity: Human, Mouse, Rat

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:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

70KDa/45KDa

Swiss-Prot:

P29274

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB, 1:500 - 1:1000 | IHC, 1:50 - 1:100 | IF/ICC, 1:50 - 1:200

Storage&Stability:

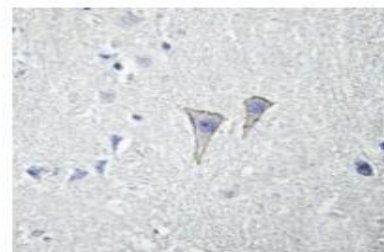
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ADORA2A polyclonal antibody detects endogenous levels of ADORA2A protein.

DATA:

Western blot analysis of Adenosine A2a Receptor expression in HEK293T (A), Hela (B), HepG2 (C), mouse brain (D), rat liver (E), mouse kidney (F) whole cell lysates.



Immunohistochemical analysis of Adenosine A2a Receptor staining in human brain formalin fixed paraffin embedded tissue section.



Immunofluorescent analysis of Adenosine A2a Receptor staining in Raw264.7 cells.

Note:

For research use only, not for use in diagnostic procedure.

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