

Adenosine A3 Receptor polyclonal antibody

Catalog: BS30941

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Adenosine receptor A3: G protein-coupled receptor (GPCR) for adenosine that plays significant roles in various physiological processes including immune regulation, cardioprotection and neuroprotection. Also acts as a receptor for adenosines containing N(6)-methylated adenine (m6A) post-transcriptional modification, which are derived from the degradation of RNAs (mRNAs, rRNAs and tRNAs): activated by N(6)-methyladenosine (m6A), N(6),N(6)-dimethyladenosine (m6,6A) and N(6)-isopentenyladenosine (i6A). Preferentially couples to the inhibitory G protein (Gi), leading to the suppression of adenylate cyclase activity and a reduction in intracellular cyclic AMP levels. Upon adenosine binding, mediates cardioprotection in cardiomyocytes through anti-apoptotic effects primarily via the ERK1/2 pathway as well as the PI3K pathway. In the central nervous system, participates in the modulation of synaptic plasticity,...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~36.2 kDa

Swiss-Prot:

P0DMS8

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IF/ICC (1/100 - 1/500)

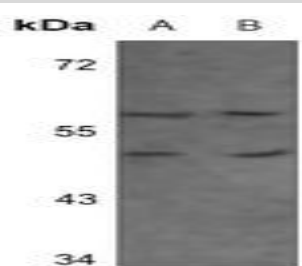
Storage&Stability:

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

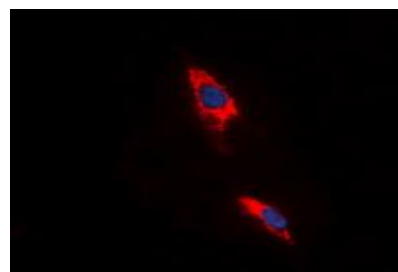
Specificity:

Recognizes endogenous levels of Adenosine A3 Receptor protein.

DATA:



Western blot analysis of ANKRD28 expression in Hela (A), HT1080 (B), mouse kidney (C), mouse testis (D) whole cell lysates.



Note:

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

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