

## ADORA3 (E318) polyclonal antibody

Catalog: BS2583

Host: Rabbit

Reactivity: Human, Mouse, Rat

### 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 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 $\alpha$  and blocks the endotoxin CD14 receptor signal transduction pathway.

### Product:

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

### Molecular Weight:

~ 38 kDa

### Swiss-Prot:

P33765

### 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:

IHC: 1:50~1:200

IF: 1:50~1:200

### Storage&Stability:

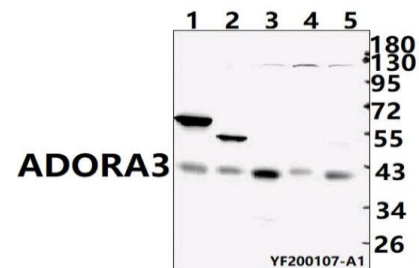
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

ADORA3 (E318) polyclonal antibody detects endoge-

nous levels of Adenosine receptor A3 protein.

### DATA:



Western blot (WB) analysis of ADORA3 pAb at 1:500 dilution

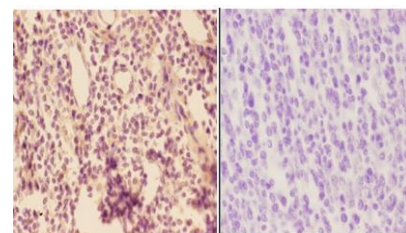
Lane1:C6 whole cell lysate(40ug)

Lane2:SHSY5Y whole cell lysate(40ug)

Lane3:SP2/0 whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)

Lane5:Jurkat whole cell lysate (40ug)



Immunohistochemistry (IHC) analyzes of ADORA3 (E318) pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50, showing cytoplasm and membrane staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

### Note:

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

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