bs-1225R **[Primary Antibody]**

Adenosine A3 Receptor Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 140 **SWISS:** P0DMS8

Target: Adenosine A3 Receptor

Immunogen: KLH conjugated synthetic peptide derived from human ADORA3: 85-180/347.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. [provided by RefSeq, Jul 2008].

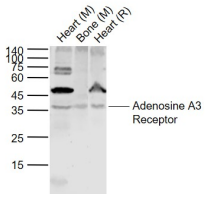
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg /test)

Reactivity: Human, Mouse, Rat (predicted: Rabbit, Pig, Sheep, Cow, Dog)

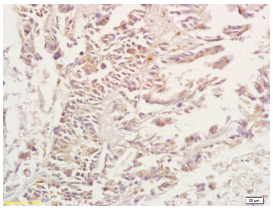
Predicted MW.: 35 kDa

Subcellular Location: Cell membrane

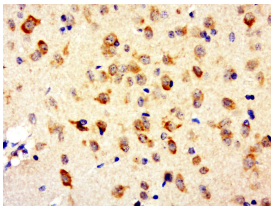
VALIDATION IMAGES



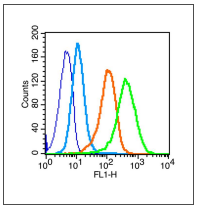
Sample: Lane 1: Heart (Mouse) Tissue Lysate at 40 ug Lane 2: Bone (Mouse) Tissue Lysate at 40 ug Lane 3: Heart (Rat) Tissue Lysate at 40 ug Primary: Anti-Adenosine A3 Receptor (bs-1225R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 35 kD Observed band size: 36 kD



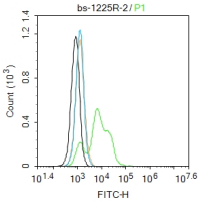
Tissue/cell: human gastric carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ADORA3 Polyclonal Antibody, Unconjugated(bs-1225R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Adenosine A3 Receptor) Polyclonal Antibody, Unconjugated (bs-1225R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control (blue line): Raji (blue)(The cells were fixed with 70% ethanol overnight at -20°C). Primary Antibody (green line): Rabbit Anti-



Blank control:HL-60. Primary Antibody (green line): Rabbit Anti-Adenosine A3 Receptor antibody (bs-1225R) Dilution: 2μg /10^6 cells;

Adenosine A3 Receptor antibody(bs-1225R); Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE;Dilution: 1μg /test.

Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 1μg /test. Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=4.4]** Timothy M. Doyle. et al. Mitochondrial A3 adenosine receptor as a mechanism for the protective effects of A3AR agonists on chemotherapy-induced neuropathic pain.. J NEUROSCI. 2024 Nov;: WB ;Rat,Mouse. 39653498
- **[IF=3.2]** Larissa Berloffa Belardin. et al. Regulation of NHE3 subcellular localization in epididymal principal cells: pH, cyclic adenosine 3,5 monophosphate (cAMP), and adenosine signaling. ANDROLOGY-US. 2024 Dec;: IF ;Mouse. 39663831