bs-6649R **[Primary Antibody]**

ADORA1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 134 **SWISS:** P30542

Target: ADORA1

Immunogen: KLH conjugated synthetic peptide derived from human ADORA1: 225-326/326. < Cytoplasmic >

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: 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. Adenosine A1-R mediates ureagenesis in a partially calcium-dependent manner. Adenosine is known to mediate coronary vasodilation via Adenosine A2A-R. Collagen synthesis and total protein synthesis are inhibited in certain cells by Adenosine, acting via the A2B receptors. Activation of Adenosine A3-R inhibits the induction of TNF?and blocks the endotoxin CD14 receptor signal transduction pathway.

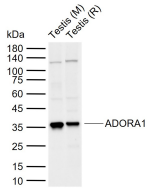
Applications: **WB** (1:500-2000)

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

Predicted MW.: 37 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Rat Testis tissue lysates Primary: Anti-ADORA1 (bs-6649R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 37 kDa Observed band size: 36 kDa

SELECTED CITATIONS

- **[IF=4.366]** Aleix Martí Naviaet al. Adenosine Receptors as Neuroinflammation Modulators: Role of A1 Agonists and A2A Antagonists. Cells . 2020 Jul 21;9(7):1739. IF ;rat. 32708189
- **[IF=3.565]** Xu Lin. et al. ADORA1 is a diagnostic-related biomarker and correlated with immune infiltrates in papillary thyroid carcinoma. J Cancer. 2021; 12(13): 3997–4010 IHC ;Human. 34093805
- **[IF=4.1]** Dehua Huang. et al. Combining Metabolomics and Quantitative Analysis to Investigate Purine Metabolism Disorders in Depression and the Therapeutic Effect of Chaigui Granules. ACS CHEM NEUROSCI. 2025;XXXX(XXX):XXX-XXX WB ;Rat. 40209102
- **[IF=2.942]** Xue Gang. et al. Identification of key genes of papillary thyroid carcinoma by integrated bioinformatics

analysis. Bioscience Rep. 2020 Aug;40(8):BSR20201555 WB ;Human. 32766727

- **[IF=2.34]** Cao, Zhi-Ping, et al. "Effects of cordycepin on spontaneous alternation behavior and adenosine receptors expression in hippocampus." Physiology & Behavior (2017). IHC ;Mouse. 29174913