

**RABBIT ANTI-RAT ADENOSINE A3 RECEPTOR  
AFFINITY PURIFIED  
POLYCLONAL ANTIBODY**

- CATALOG NO:** AB1590P
- LOT NUMBER:**
- QUANTITY:** 50 µg
- CONCENTRATION:** 1.0 mg/mL
- SPECIFICITY:** Specific for Adenosine A3 receptor. Based on mRNA studies, the A3R has been found in rat testis and lung, kidneys, heart and brain. Other studies have found the mRNA to be highest in lung, spleen and pineal glands and moderate levels in brain kidney and testis.
- IMMUNOGEN:** Amino acid sequence corresponding to the 3rd extracellular domain (15 amino acids) of the rat A3R gene.
- APPLICATIONS:** Western blot: 1-10 µg/mL (Chemiluminescence technique)  
Immunohistochemistry: not tested. It is recommended that you try the antibody on frozen tissue sections at a concentration of 10-50 µg/mL.  
ELISA: 1:10,000-1:50,000 (50-100 ng A3R peptide (Cat. Number AG294)/well)  
Optimal working dilutions must be determined by end user.
- SPECIES REACTIVITIES:** Rat. The immunogen peptide shows homology of 46% with human (7/15aa) and 20% with sheep (3/15aa) A3R sequences. It is not expected to react with those species. Antibody cross reactivity with other species is not known.
- FORMAT:** Affinity purified immunoglobulin
- PRESENTATION:** Liquid in PBS with 0.1% BSA and 0.05% sodium azide.
- STORAGE/HANDLING:** Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.
- REFERENCE:** Rebola, N., et al., *Neurochemistry International* (2005) **47**:317-325.
- RELATED REFERENCES:** *Mol. Pharmacol.* (1995) **47**:1126-1132.  
*Ann. Rev. Pharmacol.* (1995) **35**:581-606.  
*PNAS* (1992) **89**:7432-7463.  
*Cardiovascular Res.* (1993) **27**:62-67.  
*BBA* (1993) **1179**:105-107.

**Important Note:** *During shipment, small volumes of antibody will occasionally become entrapped in the seal of the product vial. For antibodies with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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