



RABBIT ANTI-DOPAMINE RECEPTOR D1A AFFINITY PURIFIED POLYCLONAL ANTIBODY

- CATALOG NO:** AB1765P
- LOT NUMBER:**
- QUANTITY:** 50 µg
- CONCENTRATION:** 1.0 mg/mL
- SPECIFICITY:** Dopamine Receptor D1A. An antibody made to the D1R peptide has been shown to detect 2 proteins of 50 and 75 kDa in solubilized hippocampal membranes by Western blot. The 75 kDa band was not visible in striatum (2). Approximately 100-400 µg of protein/lane should be loaded to visualize the 75 kDa band. By immunohistochemistry D1R has been localized in various regions of the rat brain (2).
- IMMUNOGEN:** A 13 amino acid peptide sequence (amino acids 403-415) from rat D1A (1). This peptide is predicted to be cytoplasmic.
- APPLICATIONS:** Western blot: 1-10 µg/mL (Chemiluminescence technique)
Immunohistochemistry: 2-10 µg/mL on paraformaldehyde fixed sections.
ELISA: 0.5-1.0 µg/mL (1 µg/mL D1A peptide (Cat. Number AG259)/well)
Optimal working dilutions must be determined by end user.
- SPECIES REACTIVITIES:** Rat. Reactivity with other species has not been determined. May recognize porcine or bovine (100 % homology) or human (78% homology).
- FORMAT:** Affinity purified immunoglobulin
- PRESENTATION:** Liquid in 100 mM Tris, pH 7.5 with 0.2% 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.
- GENERAL REFERENCES:** 1) *PNAS* (1990) **87**:6723-6727; *Nature* (1990) **347**:76-80;
J. Neurochem. (1992) **59**:7875-7883; *FEBS Lett.* (1990) **262**:8-12.
2) *PNAS* (1992) **89**:11988-11992.
- Important Note:** *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products 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.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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