



## RABBIT ANTI-MOUSE DOPAMINE RECEPTOR D4 AFFINITY PURIFIED POLYCLONAL ANTIBODY

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CATALOG NUMBER:       | AB1787P                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LOT NUMBER:           |                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| QUANTITY:             | 50 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| CONCENTRATION:        | 1 mg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SPECIFICITY:          | Specific for Dopamine Receptor D4. Mouse Dopamine receptor D4 is a 387 aa, G-protein coupled and transmembrane receptor protein (1). The immunogen peptide shows no significant homology with other dopamine receptors (D1, D2, D3 or D5).                                                                                                                                                                                                               |
| IMMUNOGEN:            | A 10 amino acid peptide sequence from the mouse D4 receptor within the 3 <sup>rd</sup> extracellular domain.                                                                                                                                                                                                                                                                                                                                             |
| APPLICATIONS:         | <u>Western blot</u> : 1-10 µg/mL (Chemiluminescence technique). Approximately 100-400 µg of membrane protein/lane should be loaded to visualize the receptor band.<br><u>Immunohistochemistry</u> : Has not been tested. It is recommended that the antibody be used at 2-10 µg/mL on paraformaldehyde fixed sections.<br><u>ELISA</u> : 0.5-1.0 µg/mL (1 µg/mL immunogen peptide/well)<br>Optimal working dilutions must be determined by the end user. |
| SPECIES REACTIVITIES: | The immunogen peptide shows sequence homology of 90% with rat and human D4 receptors (1-2). Antibody cross-reactivity with D4R from various species is not known.                                                                                                                                                                                                                                                                                        |
| FORMAT:               | Affinity purified immunoglobulin.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PRESENTATION:         | Liquid in PBS with 0.1% BSA.                                                                                                                                                                                                                                                                                                                                                                                                                             |
| STORAGE/HANDLING:     | Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                     |
| RELATED REFERENCES:   | 1) <i>Nature</i> (1992) <b>358</b> :149-152; <i>Nature</i> (1992) <b>350</b> :610-614; <i>Biochem. J.</i> (1992) <b>287</b> :277-282; <i>Am J Med Genet</i> (1994) <b>54</b> :384-390.<br>2) <i>New Biol.</i> (1992) <b>4</b> :137-146; <i>FEBS Lett.</i> (1995) <b>361</b> :215-219.                                                                                                                                                                    |

**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

Unless otherwise stated in our catalog or other company documentation accompanying the product(s), our products are intended for research use only and are not to be used for any other purpose, which includes but is not limited to, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses or any type of consumption or application to humans or animals.

©2002 - 2010: Millipore Corporation. All rights reserved. No part of these works may be reproduced in any form without permission in writing.

28820 Single Oak Drive • Temecula, CA 92590  
Technical Support: T: 1-800-MILLIPORE (1-800-645-5476) • F: 1-800-437-7502  
www.millipore.com