



Meridian

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Innovative Solutions. Trusted Partner.®

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CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: Q4A435R **Lot #:** 9K32815

Description: Rabbit anti D4 Dopamine Rec.
Rabbit Antibody to Dopamine D4 Receptor (Amino Acids 176-185).

Specificity: Specific for Dopamine D4 Receptor (a.a. 176-185). This antisera has been characterized by Immunocytochemical, Western Immunoblot and ELISA techniques.

Cross-reactivity:

D ₄ Dopamine Receptor (176-185)	100%
D ₄ Dopamine Receptor	60%
D ₁ Dopamine Receptor (9-21)	0%
D ₁ Dopamine Receptor	0%
D ₂ Dopamine Receptor (272-282)	0%
D ₂ Dopamine Receptor	0%
D ₃ Dopamine Receptor (2-10)	0%
D ₃ Dopamine Receptor	0%
D ₅ Dopamine Receptor (23-35)	0%
D ₅ Dopamine Receptor	0%

Host Animal: Rabbit

Immunogen: D₄ (Ac-176-185) covalently attached to a carrier protein.

Format: Neat, Lyophilized
Reconstitute with 0.1 mL of PBS which contains 10 mg/mL BSA or with additional buffer for more dilute antisera.

Purification: Not Applicable

Concentration: Not Determined

Buffer: Not Applicable

Preservative: None

Applications: Suitable for Immunohistochemistry and Western Blot. This antiserum has been found to stain specific cells in various regions of PLP fixed rat brain sections at a dilution of 1:10,000. This includes the glomeruli of the olfactory bulb, staining of cortex layer 4 and dendritic staining in cortex layers 2 and 3. In layer 5 of the cortex, apical dendrites of many neurons were stained. In the hippocampus, diffuse immunoreactivity was observed in the molecular layer of the dentate gyrus, with fine dots associated with many neurons in the granule cell layer. Western Immunoblots using whole rat brain homogenate resulted in a single wide band being detected at ~48-53 kD at 1:500 dilution. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Lyophilized: Store at 2-8°C (preferably in a desiccator).

Reconstituted: Aliquot and store at -20°C.

Signature

25 Nov 2015

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY