



Meridian
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CERTIFICATE OF ANALYSIS

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

Catalog #: Q4A132R **Lot #:** 10A02919

Description: Rabbit anti D1 Dopamine Rec.
Rabbit Antibody to Dopamine D1 Receptor (a.a. 9-21)

Specificity: Specific for Dopamine D1 Receptor (amino acids 9-21). This antisera has been characterized by Immunocytochemical, Western Immunoblot and ELISA techniques.

Cross-reactivity:

D1 Dopamine Receptor (9-21)	100%
D1 Dopamine Receptor	90%
D2 Dopamine Receptor (272-282)	0%
D2 Dopamine Receptor	0%
D3 Dopamine Receptor (2-10)	0%
D3 Dopamine Receptor	0%
D4 Dopamine Receptor (176-185)	0%
D4 Dopamine Receptor	0%
D5 Dopamine Receptor (23-35)	0%
D5 Dopamine Receptor	0%

Host Animal: Rabbit

Immunogen: D1 (Ac-9-21-Cys²²) covalently attached to a carrier protein.

Format: Neat, Lyophilized
Reconstitute with 0.1 mL of Phosphate Buffered Saline, which contains 10 mg/mL Bovine Serum Albumin, or with additional buffer for more dilute antisera.

Purification: Not Applicable

Concentration: Not Determined

Buffer: Not Applicable

Preservative: None

Applications: Suitable for use in Western Blot (1:1,000), ELISA and Immunohistochemistry (PLP fixed rat brain sections 1:5,000). Stains Medial septum, Nucleus accumbens, Dentate gyrus, Globus pallidus, Medial forebrain bundle, Cortex regions 1-3, Substantia Nigra reticulata, and the Ventral tegmental area. Western Blots using whole rat brain homogenate resulted in a single band at ~50 kD. 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 dessicator).
Reconstituted: Aliquot and store at -20°C.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Diana Dunn

30 JAN 2019

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY