



# Meridian

## Life Science, Inc.

Innovative Solutions. Trusted Partner.®

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### CERTIFICATE OF ANALYSIS

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

**Catalog #:** Q4A230R **Lot #:** 6H23814

**Description:** Rabbit anti Dopamine D2s Rec.  
Rabbit Antibody to Dopamine D2s Receptor (a.a. 239-246).

**Specificity:** Specific for Dopamine D2s Receptor (a.a. 239-246). This antisera has been characterized by Immunocytochemical, Western Immunoblot and ELISA techniques.

Cross-Reactivity:

D <sub>2s</sub> Dopamine Receptor (239-246)	100%
D <sub>2s</sub> Dopamine Receptor	50%
D <sub>2L</sub> Dopamine Receptor	0%
D <sub>1</sub> Dopamine Receptor (9-21)	0%
D <sub>1</sub> Dopamine Receptor	0%
D <sub>3</sub> Dopamine Receptor (2-10)	0%
D <sub>3</sub> Dopamine Receptor	0%
D <sub>4</sub> Dopamine Receptor (176-185)	0%
D <sub>4</sub> Dopamine Receptor	0%
D <sub>5</sub> Dopamine Receptor (23-35)	0%
D <sub>5</sub> Dopamine Receptor	0%

**Host Animal:** Rabbit

**Immunogen:** D<sub>2s</sub> (Ac-239-246-Cys<sup>247</sup>) covalently attached to a carrier protein.

**Format:** Neat, Lyophilized  
Reconstitute with 0.1 mL of Phosphate Buffered Saline 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 Immunocytochemical and Western Blot detection of the D<sub>2s</sub> dopamine receptor. This antiserum has been found to stain specific cells in various regions of PLP fixed rat brain sections at 1:500 dilution. This includes Medial septum, Nucleus accumbens, Dentate gyrus, Globus pallidus, Medial forebrain bundle, Cortex regions 1-3, Substantia Nigra reticulata, and the Ventral tegmental area. Western Immunoblots using whole rat brain homogenate resulted in a single band being detected at ~48 kD at 1:800 dilution.

**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.

*Brenda Dim*

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**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**