

Dopamine Receptor D3 (DRD3) Rabbit mAb

Catalog No.: A4587

Recombinant

1 Publications

Basic Information

Observed MW

50kDa

Calculated MW

44kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

CloneNo number

ARC1041

Background

This gene encodes the D3 subtype of the five (D1-D5) dopamine receptors. The activity of the D3 subtype receptor is mediated by G proteins which inhibit adenylyl cyclase. This receptor is localized to the limbic areas of the brain, which are associated with cognitive, emotional, and endocrine functions. Genetic variation in this gene may be associated with susceptibility to hereditary essential tremor 1. Alternative splicing of this gene results in transcript variants encoding different isoforms, although some variants may be subject to nonsense-mediated decay (NMD).

Recommended Dilutions

WB 1:1000 - 1:5000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1814

Swiss Prot

P35462

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

D3DR; ETM1; FET1; Dopamine Receptor D3 (DRD3)

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

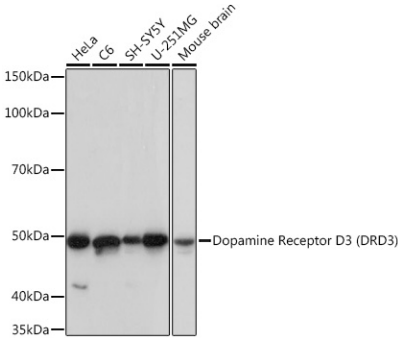
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of various lysates using Dopamine Receptor D3 (DRD3) Rabbit mAb (A4587) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3s.