

# Dopamine Transporter/DAT Rabbit mAb

Catalog No.: A25875 **Recombinant**

## Basic Information

### Observed MW

70-85kDa

### Calculated MW

68kDa

### Category

Primary antibody

### Applications

WB,IHC-P,ELISA

### Cross-Reactivity

Mouse, Rat

### CloneNo number

ARC66721

## Background

This gene encodes a dopamine transporter which is a member of the sodium- and chloride-dependent neurotransmitter transporter family. The 3' UTR of this gene contains a 40 bp tandem repeat, referred to as a variable number tandem repeat or VNTR, which can be present in 3 to 11 copies. Variation in the number of repeats is associated with idiopathic epilepsy, attention-deficit hyperactivity disorder, dependence on alcohol and cocaine, susceptibility to Parkinson disease and protection against nicotine dependence.

## Recommended Dilutions

**WB** 1:1000 - 1:2000

**IHC-P** 1:200 - 1:2000

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

## Immunogen Information

### Gene ID

6531

### Swiss Prot

Q01959

### Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1-100 of human Dopamine Transporter/DAT (NP\_001035.1).

### Synonyms

DAT; DAT1; PKDYS; PKDYS1

## Contact

☎ | 400-999-6126

✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

🌐 | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

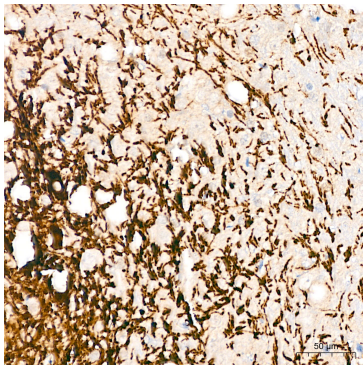
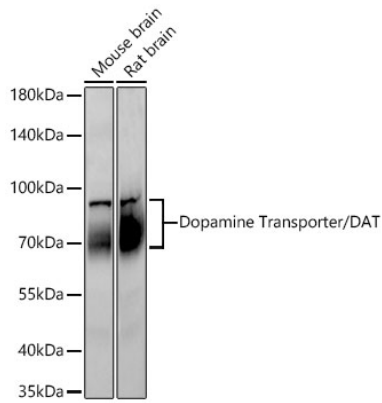
### Storage

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

Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

## Validation Data

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Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using Dopamine Transporter/DAT Rabbit mAb (A25875) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.