

For Research Use Only

# CoraLite® Plus 488-conjugated Dopamine Transporter/DAT Polyclonal antibody

Catalog Number: CL488-22524



## Basic Information

Catalog Number:

CL488-22524

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18297

GenBank Accession Number:

BC133003

GeneID (NCBI):

6531

UNIPROT ID:

Q01959

Full Name:

solute carrier family 6  
(neurotransmitter transporter,  
dopamine), member 3

Calculated MW:

620 aa, 68 kDa

Observed MW:

68 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

human, mouse, rat

Positive Controls:

IF-P : mouse brain tissue,

## Background Information

DAT, also name as SLC6A3, is dopamine transporter which is a member of the sodium- and chloride- dependent neurotransmitter transporter family. Dopamine(DA) released from neurons is cleared by the DA transporter (DAT). Altered dopaminergic signaling is linked to multiple neuropsychiatric disorders, such as attention deficit hyperactive disorder, mood disorders, schizophrenia, autism and so on (PMID:30755521).

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

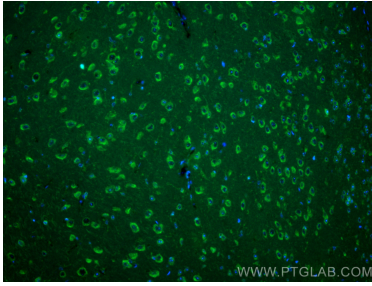
E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using CoraLite® Plus 488 DAT antibody (CL488-22524) at dilution of 1:200. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).