

For Research Use Only

# CoraLite® Plus 488-conjugated GAD1 Monoclonal antibody

Catalog Number: CL488-67648



## Basic Information

Catalog Number:

CL488-67648

Size:

100ul , Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG21336

GenBank Accession Number:

BC002815

GeneID (NCBI):

2571

UNIPROT ID:

Q99259

Full Name:

glutamate decarboxylase 1 (brain, 67kDa)

Calculated MW:

67 kDa

Observed MW:

67 kDa

Purification Method:

Protein A purification

CloneNo.:

2D5B7

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, pig, rabbit

Positive Controls:

IF-P: mouse brain tissue,

## Background Information

The GAD1 (glutamate decarboxylase 1) gene encodes 67 kDa glutamic acid decarboxylase isoform (GAD67), the rate-limiting enzyme responsible for  $\gamma$ -aminobutyric acid (GABA) biosynthesis from glutamic acid and the major GAD isoform in the human brain for early brain development (PMID:21302352). It is also potentially involved in variety of skin activities. It belongs to the group II decarboxylase family.

## 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, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

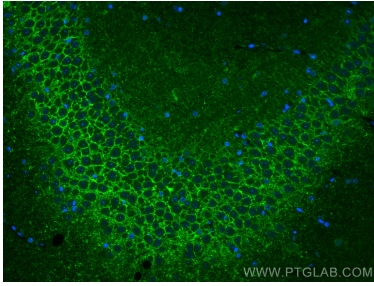
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

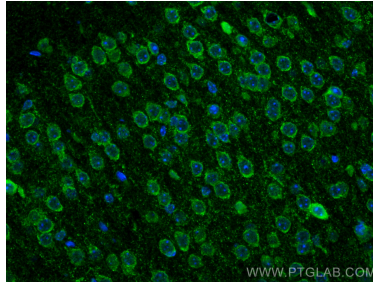
W: [ptglab.com](http://ptglab.com)

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 GAD1 antibody (CL488-67648, Clone: 2D5B7 ) at dilution of 1:200.



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