

For Research Use Only

CoraLite® Plus 488-conjugated VGAT Polyclonal antibody



Catalog Number: **CL488-14471**

Basic Information

Catalog Number:

CL488-14471

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5843

GenBank Accession Number:

BC053582

GeneID (NCBI):

140679

UNIPROT ID:

Q9H598

Full Name:

solute carrier family 32 (GABA vesicular transporter), member 1

Calculated MW:

57 kDa

Observed MW:

57 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 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 : mouse brain tissue,

Background Information

SLC32A1, also known as VGAT (vesicular GABA transporter), functions in the uptake of GABA and glycine into synaptic vesicles. GABA (gamma-aminobutyric acid), is the major inhibitory neurotransmitter in the CNS. VGAT transports GABA and glycine into acidic vesicles and localizes to the synaptic vesicle in glycinergic and GABAergic neurons. And VGAT antibodies are useful markers for presynaptic GABAergic and glycinergic neurons.

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:

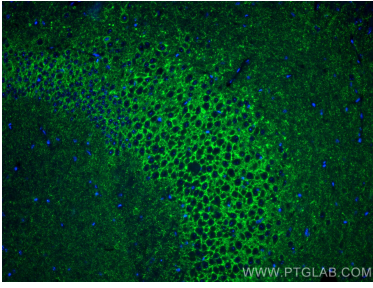
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using CoraLite® Plus 488 VGAT antibody (CL488-14471) at dilution of 1:200.