VGAT antibody [N1N2], N-term

Cat. No. GTX101908

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Application	WB, ICC/IF, IHC-P, IHC-Fr
Reactivity	Human, Mouse, Rat

Reference (2)

Review (1)

Package
100 µl, 25 µl

APPLICATION

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000-1:10000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000

Note : As is commonly seen with membrane proteins, significant hydrophobicity can lead to aggregation following boiling of samples prior to SDS-PAGE and subsequent western blotting. We recommend to avoid boiling in this case.

Not tested in other applications.

Calculated MW 57 kDa. (Note)

PROPERTIES

Form	Liquid
Buffer	PBS, 20% Glycerol
Preservative	0.025% ProClin 300
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1.46 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human VGAT. The exact sequence is proprietary.
Purification	Purified by antigen-affinity chromatography.
Conjugation	Unconjugated

For full product information, images and publications, please visit our website.

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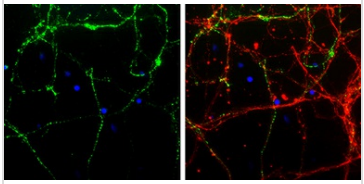
Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

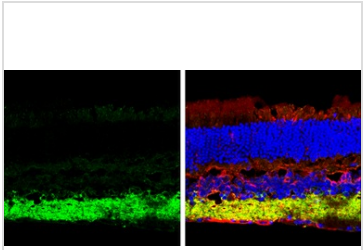
Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



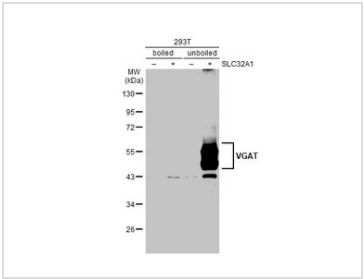
GTX101908 ICC/IF Image

VGAT antibody [N1N2], N-term detects VGAT protein expression by immunofluorescent analysis.
Sample: Cultured rat E18 primary cortical neuron, DIV 8. Cells were fixed in 4% paraformaldehyde at RT for 15 min.
Green: VGAT protein stained by VGAT antibody [N1N2], N-term (GTX101908) diluted at 1:250.
Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:250.
Blue: Fluoroshield with DAPI (GTX30920).



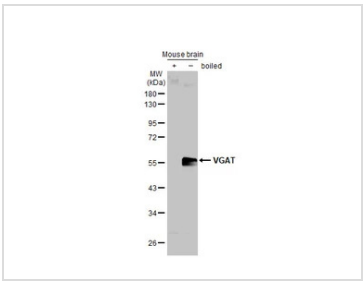
GTX101908 IHC-Fr Image

VGAT antibody [N1N2], N-term detects VGAT protein expression by immunohistochemical analysis.
Sample: Frozen sectioned adult mouse retina.
Green: VGAT protein stained by VGAT antibody [N1N2], N-term (GTX101908) diluted at 1:250.
Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] (GTX631836) diluted at 1:250.
Blue: Fluoroshield with DAPI (GTX30920).



GTX101908 WB Image

Non-transfected (–) and transfected (+) boiled and unboiled 293T whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with VGAT antibody [N1N2], N-term (GTX101908) diluted at 1:2500. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.



GTX101908 WB Image

Boiled and unboiled mouse tissue extract (50 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with VGAT antibody [N1N2], N-term (GTX101908) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.

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