

VGAT Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 118 of Human VGAT
Form	Liquid
Concentration	0.9 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% Proclin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545045

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:10,000	1 Publication
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunohistochemistry (Frozen) (IHC (F))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	-

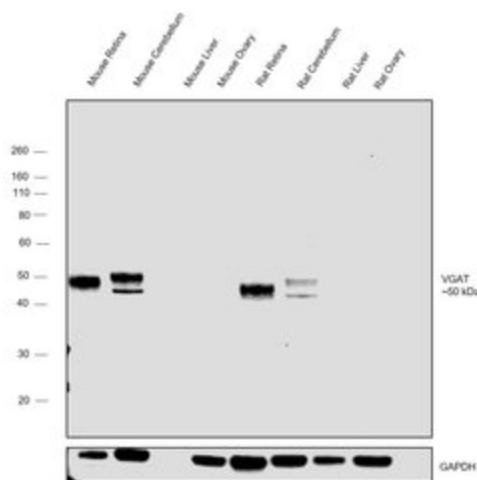
Product Specific Information

Recommended positive controls: SLC32A1-transfected 293T.

Predicted reactivity: Mouse (97%), Rat (95%), Xenopus laevis (83%), Rhesus Monkey (97%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

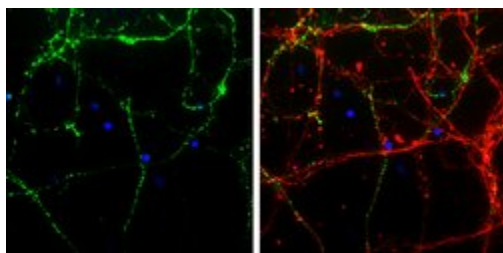
Advanced Verification Data



VGAT Antibody (PA5-27569)

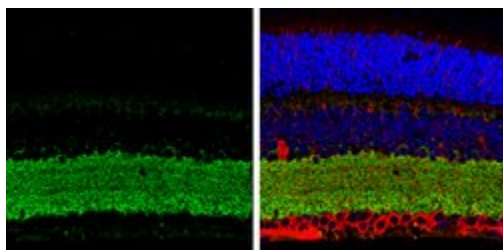
Antibody specificity was demonstrated by detection of differential basal expression of the target across tissues owing to their inherent genetic constitution. Relative expression of VGAT was observed in Mouse and Rat Retina and Cerebellum as compared Mouse and Rat Liver and Rat Ovary and Rat Liver using Anti-VGAT Polyclonal Antibody (Product # PA5-27569) in Western Blot. Relative expression validation info.

Product Images For VGAT Polyclonal Antibody



VGAT Antibody (PA5-27569) in ICC/IF

Immunocytochemistry-Immunofluorescence analysis of VGAT was performed in Cultured rat E18 primary cortical neuron, DIV 8. Cells fixed in 4% paraformaldehyde at RT for 15 min. Green: VGAT Polyclonal Antibody (Product # PA5-27569) diluted at 1:250. Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody. Blue: Fluoroshield with DAPI.



VGAT Antibody (PA5-27569) in IHC (P)

Immunohistochemistry (Paraffin) analysis of VGAT was performed in paraffin-Embedded adult mouse retina tissue using Green: CRABP2 Polyclonal Antibody (Product # PA5-27451) at a dilution of 1:250. Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody diluted at 1:500. Blue: Fluoroshield with DAPI.

[View more figures on thermofisher.com](https://www.thermofisher.com)

Western Blot (1)

Scientific reports

Dose-dependent reversal of KCC2 hypofunction and phenobarbital-resistant neonatal seizures by ANA12.

"Published figure using VGAT polyclonal antibody (Product # PA5-27569) in Western Blot"

Authors: Carter BM,Sullivan BJ,Landers JR,Kadam SD

Species
Not Applicable

Dilution
Not Cited

Year
2018

Immunohistochemistry (1)

Current biology : CB

Precise Coordination of Three-Dimensional Rotational Kinematics by Ventral Tegmental Area GABAergic Neurons.

"PA5-27569 was used in Immunohistochemistry to demonstrate a novel function of VTAVgat+ neurons."

Authors: Hughes RN,Watson GDR,Petter EA,Kim N,Bakhurin KI,Yin HH

Species
Mouse

Dilution
1:200

Year
2019

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