

Product Datasheet

VIAAT/SLC32A1/VGAT Antibody - BSA Free NBP2-20857

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-20857

VIAAT/SLC32A1/VGAT Antibody - BSA Free

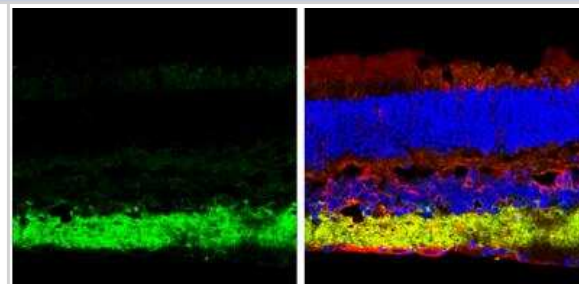
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 20% Glycerol
Target Molecular Weight	57 kDa

Product Description	
Host	Rabbit
Gene ID	140679
Gene Symbol	SLC32A1
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (82%).
Immunogen	Recombinant protein encompassing a sequence within the N-terminus region of human VIAAT/SLC32A1/VGAT. The exact sequence is proprietary.

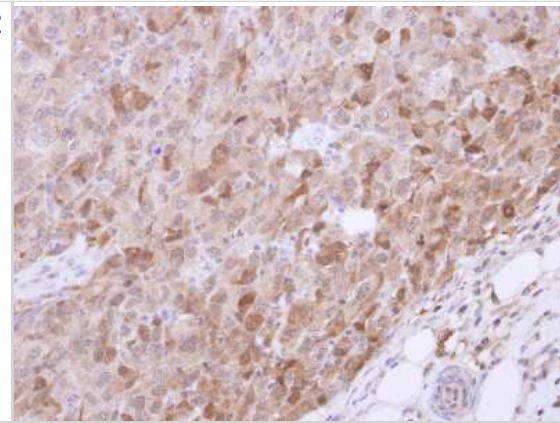
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunohistochemistry-Paraffin 1:100-1:1000, Immunohistochemistry-Frozen 1:100-1:1000

Images

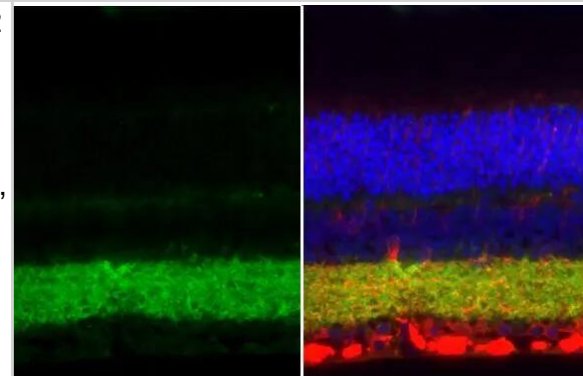
Immunohistochemistry-Frozen: VIAAT/SLC32A1/VGAT Antibody [NBP2-20857] - Frozen sectioned adult mouse retina. Green: VGAT protein stained by VGAT antibody [N1N2], N-term diluted at 1:250. Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [11710] (NBP2-43559) diluted at 1:250. Blue: Fluoroshield with DAPI.



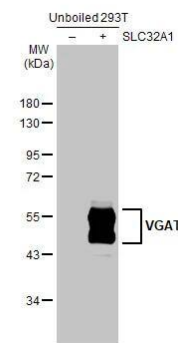
Immunohistochemistry-Paraffin: VIAAT/SLC32A1/VGAT Antibody [NBP2-20857] - CL1-5 xenograft, using VGAT antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



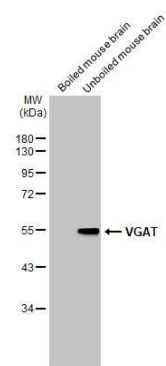
Immunohistochemistry-Paraffin: VIAAT/SLC32A1/VGAT Antibody [NBP2-20857] - VIAAT/SLC32A1/VGAT antibody [N1N2], N-term detects VIAAT/SLC32A1/VGAT protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse eye. Green: VIAAT/SLC32A1/VGAT stained by VIAAT/SLC32A1/VGAT antibody [N1N2], N-term (NBP2-20857) diluted at 1:500. Red: beta Tubulin 3/ Tuj1, a neural marker, stained by beta Tubulin 3/ Tuj1 antibody [GT11710] diluted at 1:500. Blue: Fluoroshield with DAPI. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Non-transfected (-) and transfected (+) unboiled 293T whole cell extracts (30 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with VGAT antibody [N1N2], N-term (NBP2-20857) diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Boiled and unboiled various tissue extracts (50 ug) were separated by 10% SDS-PAGE, and the membrane was blotted with VGAT antibody [N1N2], N-term (NBP2-20857) diluted at 1:3000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



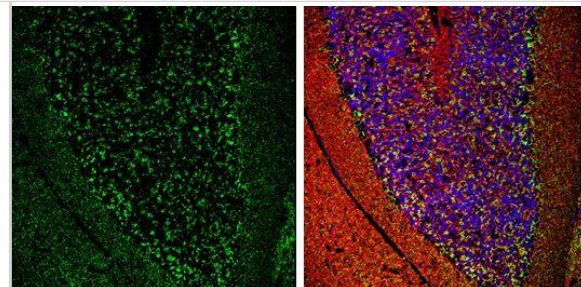
VGAT antibody [N1N2], N-term detects VGAT protein expression by immunohistochemical analysis.

Sample: Frozen-sectioned adult mouse cerebellum.

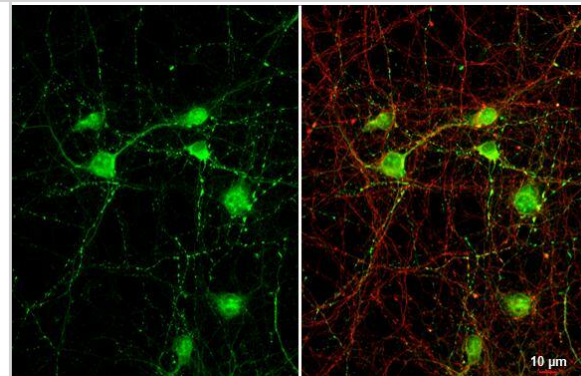
Green: VGAT protein stained by VGAT antibody [N1N2], N-term (NBP2-20857) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:500.

Blue: Fluoroshield with DAPI .



VGAT antibody [N1N2], N-term detects VGAT protein by immunofluorescent analysis. Sample: DIV9 rat cortical neuron and Glia cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: VGAT stained by VGAT antibody [N1N2], N-term (NBP2-20857) diluted at 1:250. Red: Tau, an axon marker, stained by Tau antibody [GT287] diluted at 1:500.



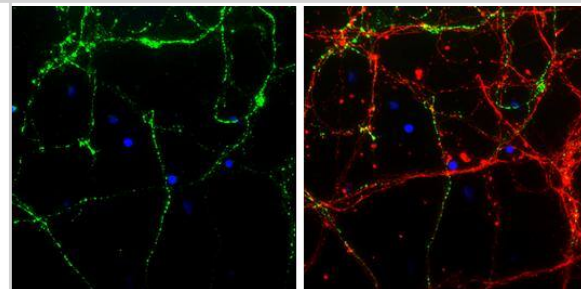
VGAT antibody [N1N2], N-term detects VGAT protein expression by immunofluorescent analysis.

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 (NBP2-20857) diluted at 1:250.

Red: beta Tubulin 3/ TUJ1, stained by beta Tubulin 3/ TUJ1 antibody [GT11710] diluted at 1:250.

Blue: Fluoroshield with DAPI .



Publications

Choi G, Chae C, Park M et al. Prenatal Stress Selectively Impairs Neuroligin 1-Dependent Neurogenesis by Suppressing Astrocytic FGF2-Neuronal FGFR1 Axis Cell Mol Life Sci 2022-05-13 [PMID: 35562616] (ICC/IF, Human)

Pollard KJ, Bowser DA, Anderson WA Et al. Morphine-sensitive synaptic transmission emerges in embryonic rat microphysiological model of lower afferent nociceptive signaling Science advances 2021-08-01 [PMID: 34452921] (IF/IHC, Rat)

Lanfray D, Caron A, Roy MC et al. Involvement of the Acyl-CoA binding domain containing 7 in the control of food intake and energy expenditure in mice Elife 2016-03-24 [PMID: 26880548] (IHC-P, Mouse)



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Products Related to NBP2-20857

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-34131PEP	VIAAT/SLC32A1/VGAT Recombinant Protein Antigen

Limitations

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