www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

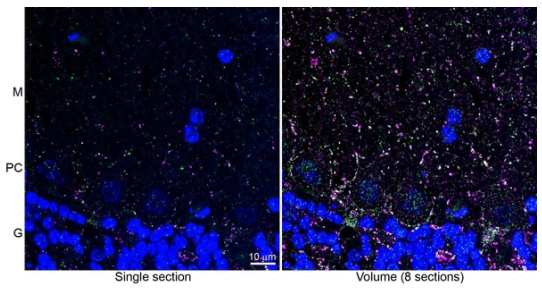
Anti-VGAT Antibody

Product Details

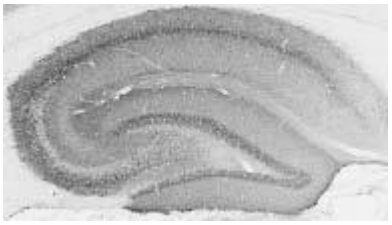
Available Variants	5 mL (SKU:73-478)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	L118/66
Gene Name	Slc32a1 Vgat Viaat
Host Species	Mouse
Concentration	Lot dependent
Format	TC Supernatant
Physical State	Liquid
Buffer	Supernatant is provided in cell culture medium with 0.1% sodium azide as anti-microbial
Production Notes	Supernatant is harvested from hybridoma cells grown under standard cell culture conditions
Applications	AT, ELISA, ICC, IHC, WB
Species Reactivity	Mouse, Rat
Immunogen	Fusion protein amino acids 1-133 (cytoplasmic N-terminus) of mouse VGAT (accession number O35633) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	50 kDa
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to

	removing the cap.
Antibody Registry ID	AB_2650550
UniProt ID	O35633 UniProt Summary: Antiporter that exchanges vesicular protons for cytosolic 4-aminobutanoate or to a lesser extend glycine, thus allowing their secretion from nerve terminals. The transport is equally dependent on the chemical and electrical components of the proton gradient. May also transport beta-alanine. Acidification of GABAergic synaptic vesicles is a prerequisite for 4-aminobutanoate uptake.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	22348

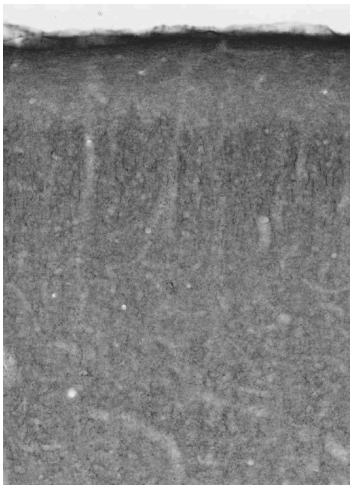
Product Images



Array tomography immunofluorescence of a single 70 nm section (left) and volume reconstruction of 8 serial sections (right) of LRWhite-embedded adult mouse cerebellum with L118/66 (VGAT, green), rabbit mAb GAD2 (Cell Signaling 5843, magenta) and DAPI (blue). Purkinje cells (PC) have a low level of VGAT immunoreactivity, and numerous inhibitory synaptic varicosities in molecular (M) and granule (G) layers are colabeled with VGAT and GAD2. Images courtesy of Kristina Micheva (Stanford).



Adult rat brain hippocampus immunohistochemistry.



Adult rat brain cortex immunohistochemistry.

Created on 03. November 2026 | All information without guarantee