UC Davis/NIH NeuroMab Facility
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Anti-VGAT, NeuroMab clone L118/66

Available as TC supe (RRID: AB_2650550) & Pure IgG (RRID: AB_2797367)

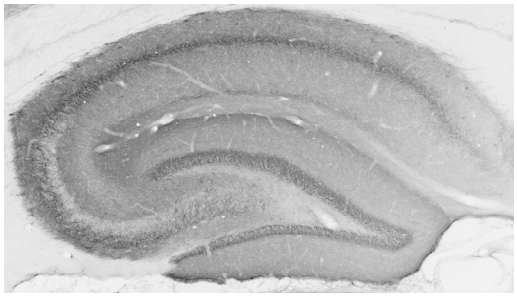
Immunogen:
Fusion protein amino acids 1-133 (cytoplasmic N-terminus) of mouse VGAT (also known as GABA and glycine transporter, Vesicular inhibitory amino acid transporter, Vesicular GABA transporter, Solute carrier family 32 member 1, VIAAT and SLC32A1, accession number O35633)
Rat: 99% identity (132/133 amino acids identical)
Human: 96% identity (128/134 amino acids identical)

Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG2a

NeuroMab Applications:
Immunoblot, Immunocytochemistry, Immunohistochemistry and Array Tomography

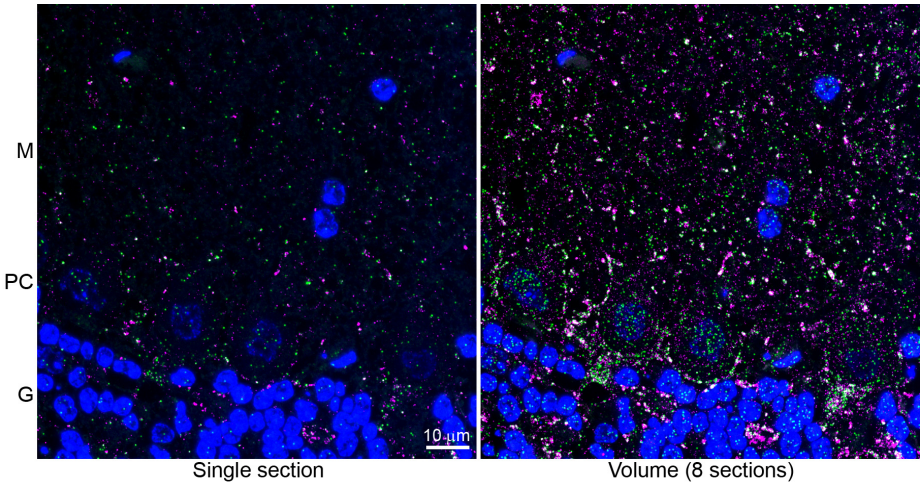
Species Reactivity: mouse, rat

MW: 50 kDa



Top: adult rat brain cortex (top) and hippocampus (bottom) immunohistochemistry

Bottom: 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).



Right: adult rat brain membrane immunoblot