

**Alexa488-labeled Antibody to vGAT, affinity purified**
RABBIT POLYCLONAL

Catalog Number: AB-N44AP-FLA
Quantity: 50 micrograms
Format: 50% PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 50% glycerol; no preservative.
Host: Rabbit
Immunogen: synthetic vGAT peptide

Background: Vesicular GABA transporters (vGAT) mediate the accumulation of GABA into synaptic vesicles and its release from nerve terminals. This transporter is expressed in the nerve endings of GABAergic neurons throughout the CNS and has also been found in the pancreas and pituitary gland. During development, expression of the vGAT protein changes. Expression can also change in response to patterns of neuronal activity.

Specificity & Preparation: This antibody recognizes rat vesicular GABA transporter. Affinity-purified anti-vGAT was raised against the C-terminal of the rat vesicular GABA transporter. The antigen sequence is identical among human, rat, mouse, pig and guinea pig. The antibody was affinity-purified and has been conjugated to the fluorescent dye Alexa488. The antibody is routinely tested by flow cytometry.

Usage: Applications include flow cytometry (ATS in-house; 1:1000). Working dilutions must be determined by end user.

Storage: Gently spin down material 5-10 seconds in a microfuge before use. The material can be handled safely using normal laboratory precautions. Store the antibody at -20°C for up to one year.



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