

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

**Catalog Number:** AB-N44AP-BT  
**Quantity:** 50 micrograms  
**Format:** PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 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:** 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. This antibody was affinity-purified using the C-terminal of vGAT. It has been conjugated to biotin via an amide bond. 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:** Store the antibody at -20°C for one year. Avoid repeated freezing and thawing. Gently spin down material 5-10 seconds in a microfuge before use.



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