



**GUNIEA PIG ANTI-VESICULAR ACETYLCHOLINE TRANSPORTER
AFFINITY PURIFIED
POLYCLONAL ANTIBODY**

CATALOG NO:	AB1588
LOT NUMBER:	
QUANTITY:	20 µg
SPECIFICITY:	Vesicular Acetylcholine Transporter (VACHT). By Western blot the antibody reacted with a single band in rat brain homogenates. This band corresponded to the size of the predicted rVACHT. There was no staining of blots incubated with the antibody that had been preabsorbed with the peptide used for antibody production. By immunohistochemistry the staining was strong in the inner retina where cholinergic processes are located and weak in cholinergic cell bodies. There was no background staining noted. In the CNS staining was strong in fibers and stains cholinergic cell bodies well.
IMMUNOGEN:	Synthetic peptide corresponding to the C-terminus of the predicted rat VACHT protein.
APPLICATIONS:	<u>Immunohistochemistry:</u> 1:500-1:1,500 on 4% paraformaldehyde fixed tissue. Sections were cut at 15 µm with a cryostat or 30 µm with a sliding microtome. <u>Immunoblotting</u> Blocking peptide available (Catalog Number AG223). Optimal working dilutions must be determined by the end user.
SPECIES REACTIVITIES:	Rat
FORMAT:	Affinity purified immunoglobulin.
PRESENTATION:	Lyophilized from 0.1 M PBS with 1.0% BSA and 0.1% sodium azide. Reconstitute with 100 µL of sterile distilled water.
STORAGE/HANDLING:	Maintain lyophilized material at 2-8°C for up to 12 months after date of receipt. Maintain reconstituted material at -20°C in undiluted aliquots for up to 6 months. Avoid repeated freeze/thaw cycles.
REFERENCE:	Gras, C., et al., <i>J. Neuroscience</i> (2002) 22 :5442-5451.
RELATED REFERENCE:	<i>PNAS.USA</i> (1994) 91 :10620-10624.

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