GUINEA PIG ANTI-VESICULAR GLUTAMATE TRANSPORTER 2 (VGLUT2) POLYCLONAL ANTIBODY

CATALOG NUMBER: AB5907
LOT NUMBER:
QUANTITY: 50 µL

SPECIFICITY: Vesicular Glutamate Transporter 2 (VGLUT2). The antiserum has been tested on tissue sections from the rat central nervous system (CNS) using immunofluorescence histochemistry. The antiserum mainly labels nerve fibers and terminals. The staining pattern for the staining obtained with the VGLUT2 antiserum corresponds to the pattern described using other antisera to VGLUT2 (Fremeau et al., 2001; Fujiyama et al., 2001; Sakata-Haga et al., 2001; Tong et al., 2001; Kaneko et al., 2002; Varoqui et al., 2002). Preabsorption of the VGLUT2 antiserum with immunogen peptide (Catalog number AG209) eliminates all immunostaining.

IMMUNOGEN: Synthetic peptide from rat VGLUT2 protein.

APPLICATIONS: Immunohistochemistry: 1:2,500-1:5,000 with immunofluorescence using cyanine-conjugated secondary antibodies. Western blot: not tested. Optimal working dilutions must be determined by end user.

SPECIES REACTIVITIES: Rat. It is expected that the antibody will also react with mouse based on sequence homology (16/18 amino acids). Other species have not yet been tested.

FORMAT: Guinea pig serum.

PRESENTATION: Liquid. Contains no preservative.

STORAGE/HANDLING: Maintain frozen at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.


RELATED REFERENCES:

Chem. 276:36764-36769.


**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.