

VGlut3 Transporter Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56521 (clone S34-34)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

The ATP-dependent, chloride-sensitive vesicular glutamate transporters include VGlut1, VGlut2, and VGlut3. VGlut3 is a multipass membrane protein restricted to synaptic vesicles of glutamatergic neurons. It is specifically expressed in amygdala, cerebellum, hippocampus, medulla, spinal cord, and thalamus.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 546-588 (cytoplasmic C-terminus) of rat VGlut3 (accession no. NP_74947.1).
Host Species: Mouse
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human, mouse, and rat VGlut3. It does not cross-react with VGlut1 or VGlut2.

APPLICATIONS

Immunoblotting: use at 1-2ug/ml. A band of ~65kDa is detected.
Immunohistochemistry: use at 1-5ug/ml. These are recommended concentrations. Enduser should determine optimal concentrations for their applications.
Positive control: CV-1 fibroblasts transfected with VGlut3.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This product is stable for at least 1 year at -20°C. Freeze in multiple aliquots to avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.