Mouse SEZ6L Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4804

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse SEZ6L in direct ELISAs. In direct ELISAs, less than 1% cross-reactivity with recombinant mouse (rm) BSRP-A and rmBSRP-C is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse SEZ6L Glu32-Ser889 Accession # AAH65117
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

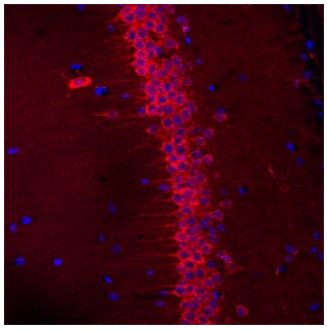
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



SEZ6L in Mouse Brain. SEZ6L was detected in perfusion fixed frozen sections of mouse brain (hippocampus) using Sheep Anti-Mouse SEZ6L Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4804) at 1.7 µg/mL overnight at 4 °C. Tissue was stained using the NorthernLights™ 557-conjugated Anti-Sheep IgG Secondary Antibody (red; Catalog # NL010) and counterstained with DAPI (blue). Specific staining was localized to neuronal cell bodies and processes. View our protocol for Fluorescent IHC Staining of Frozen Tissue Sections.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.2 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

SEZ6L (Seizure 6-Like protein; also BSRP-B/Brain-specific receptor-like protein B) is a 200-210 kDa member of the SEZ6 family of proteins. It is expressed in the plasma membrane and ER of CNS neurons, particularly cerebellar interneurons plus Purkinje and granule cells. SEZ6L likely regulates Ca++ availability and thus impacts PKCα activation and mGluR1 signaling. Mature mouse SEZ6L is a 932 amino acid (aa) type I transmembrane protein. It contains an 866 aa extracellular domain (ECD) (aa 32-897) and a 45 aa cytoplasmic tail. The ECD shows three CUB domains and five short consensus repeats (SCRs). There is one 190-200 kDa splice variant termed BSRP-B that contains a Phe substitution for aa 807-872 of the fifth SCR domain. Over aa 32-889, mouse SEZ6L shares 80% and 97% aa identity with human and rat SEZ6L, respectively.

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