Mouse APLP-2 Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF3685

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse APLP-2 in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant human (rh) APLP-2 is observed and less than 1% cross-reactivity with rhAPLP-1 and recombinant mouse APLP-1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse APLP-2 Leu37-Ser624 Accession # AAH52396.2
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
Western Blot	0.1 µg/mL	Recombinant Mouse APLP-2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
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

Mouse APLP-2 is a 120-170 kDa (695 aa) member of the APP family of type I transmembrane (TM) proteins. Its 595 aa extracellular region has multiple domains, including an N-terminal Cys-rich domain, an Asp/Glu-rich acidic region, and a membrane proximal linker region that contains a GAG attachment site. Several alternatively spliced APLP-2 isoforms have been reported. APLP-2 is proteolytically cleaved by MMPs and secretases and forms both homodimers and heterodimers with APP and APLP-1. Over the range used as immunogen, mouse APLP-2 shares 97% and 91% aa sequence identity with rat and human ALPL-2, respectively.

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