Mouse PLTP Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4918

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PLTP in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 50% cross-reactivity with recombinant human PLTP is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PLTP Glu18-Ala493 (Asp32Glu) Accession # P55065
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.

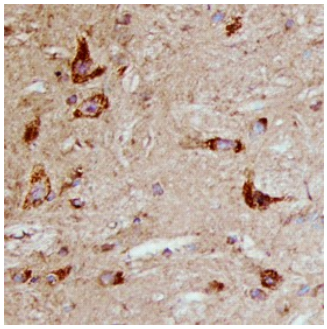
APPLICATIONS

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 PLTP (Catalog # 4918-PL)
Immunohistochemistry	5-15 µg/mL	See Below

DATA

Immunohistochemistry



PLTP in Mouse Brain. PLTP was detected in perfusion fixed frozen sections of mouse brain (medulla) using Sheep Anti-Mouse PLTP Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4918) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Sheep HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS019) and counterstained with hematoxylin (blue). Specific staining was localized to neuronal cell bodies. View our protocol for Chromogenic IHC Staining of Frozen Tissue Sections.

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

PLTP (phospholipid transfer protein) is a 65-80 kDa, secreted glycoprotein member of the BPI/LBP family of proteins. It is expressed by multiple cell types, circulates bound to HDL, and mediates the transfer of phospholipids and cholesterol from apoB-containing lipoproteins to HDL. Mature mouse PLTP is 476 amino acids (aa) in length. It contains an N-terminal lipid transfer domain (aa 21-239), a C-terminal HDL-binding domain (aa 263-463), and one essential intrachain disulfide bond (Cys146-Cys185). There are three potential PLTP splice variants. One shows a deletion of aa 148-493, a second shows a deletion of aa 111-162, and a third shows a deletion of aa 14-33 plus a two aa substitution for aa 184-493. Over aa 18-493, mouse PLTP shares 92% and 83% aa identity with rat and human PLTP, respectively.

Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449