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PLTP (h3): 293T Lysate: sc-170081

BACKGROUND

Phospholipid transfer protein (PLTP) is involved in reverse cholesterol transport, a key means of removal of excess cholesterol from cellular membranes for transport to the liver and subsequent secretion into the bile. PLTP remodels HDL by promoting net transfer and exchange of phospholipids among HDL subclasses and other lipoproteins. PLTP is secreted and distributed widely in various tissues including placenta, kidney, liver and brain. At least two transcript variants encoding different isoforms have been found for this gene. Protein secretion of active PLTP is observable in neurons, microglia, and astrocytes in culture. PLTP is present in neurons, astrocytes, microglia, and oligodendroglia.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: PLTP (human) mapping to 20q13.12.

PRODUCT

PLTP (h3): 293T Lysate represents a lysate of human PLTP transfected 293T cells and is provided as 100 μ g protein in 200 μ l SDS-PAGE buffer.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

PLTP (h3): 293T Lysate is suitable as a Western Blotting positive control for human reactive PLTP antibodies. Recommended use: 10-20 μ l per lane.

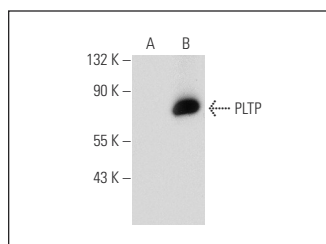
Control 293T Lysate: sc-117752 is available as a Western Blotting negative control lysate derived from non-transfected 293T cells.

PLTP (A-12): sc-271596 is recommended as a positive control antibody for Western Blot analysis of enhanced human PLTP expression in PLTP transfected 293T cells (starting dilution 1:100, dilution range 1:100-1:1,000).

RECOMMENDED SUPPORT REAGENTS

To ensure optimal results, the following support reagents are recommended:
 1) Western Blotting: use m-IgG κ BP-HRP: sc-516102 or m-IgG κ BP-HRP (Cruz Marker): sc-516102-CM (dilution range: 1:1000-1:10000), Cruz Marker™ Molecular Weight Standards: sc-2035, UltraCruz® Blocking Reagent: sc-516214 and Western Blotting Luminol Reagent: sc-2048.

DATA



PLTP (A-12): sc-271596. Western blot analysis of PLTP expression in non-transfected: sc-117752 (A) and human PLTP transfected: sc-170081 (B) 293T whole cell lysates.

STORAGE

Store at -20° C. Repeated freezing and thawing should be minimized. Sample vial should be boiled once prior to use. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.