Human Apolipoprotein M/ApoM Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF4550

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human ApoM in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human ApoM Cys23-Asn188 Accession # O95445
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 as a 0.2 µm filtered solution in PBS.

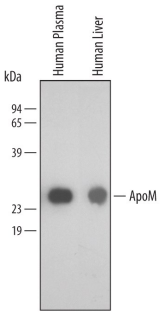
APPLICATIONS

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	0.5 µg/mL	See Below

DATA

Western Blot



Detection of Human Apolipoprotein M/ApoM by Western Blot. Western blot shows lysates of human plasma and liver tissue. PVDF membrane was probed with 0.5 µg/mL of Human Apolipoprotein M/ApoM Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4550) followed by HRP-conjugated Anti-Sheep IgG Secondary Antibody (Catalog # HAF016). A specific band was detected for Apolipoprotein M/ApoM at approximately 25 kDa (as indicated). This experiment was conducted using Immunoblot Buffer Group 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

Apolipoprotein M (ApoM; also known as Protein G3a) is a 25 kDa, secreted member of the lipocalin family of proteins. It is produced by hepatocytes and renal tubular epithelium, and represents a minor component of HDL particles. Human ApoM is 188 amino acids (aa) in length. It contains an uncleaved, hydrophobic N-terminal segment and one utilized N-linked glycosylation site (mouse ApoM shows no glycosylation). At least two potential isoforms exist. One shows an alternate start site at Met73, while a second shows the same start site plus a 21 aa substitution for aa 181-188. Human ApoM shares 91% and 80% aa identity with pig and mouse ApoM, respectively.

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