

DESCRIPTION

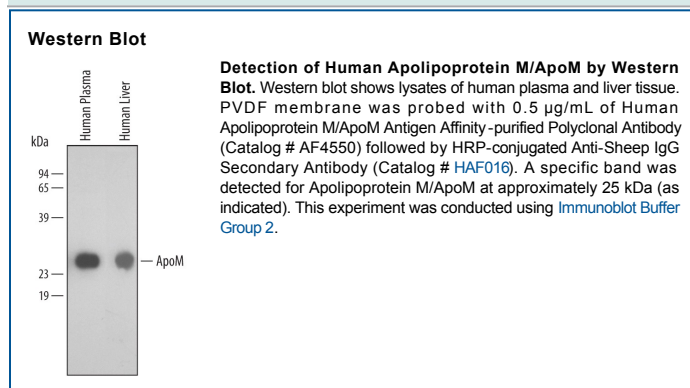
Species Reactivity	Human
Specificity	Detects endogenous human ApoM in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human ApoM Cys23-Asn188 Accession # O95445
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

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



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.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month from date of receipt, 2 to 8 °C, reconstituted. ● 6 months from date of receipt, -20 to -70 °C, reconstituted.

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.