

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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