

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Apolipoprotein H/ApoH in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 517038
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Apolipoprotein H/ApoH Gly20-Cys345 Accession # P02749
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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 H (ApoH also known as β 2-Glycoprotein 1/ β 2-GPI) is a 50 kDa secreted monomeric glycoprotein member of the complement control superfamily of molecules. It is produced by hepatocytes and is bound to HDL particles. Circulating ApoH blocks the intrinsic clotting pathway and binds to exposed phospholipids on apoptotic cells. Mature human ApoH contains four Sushi repeats (aa 21-260) and one C-terminal kringle domain (aa 261-345) that binds heparin and phospholipids. At least two isoforms exist. One shows a 31 aa substitution for aa 140-345, while a second represents a bioactive plasmin cleavage product that removes the C-terminal nine amino acids. Mature human ApoH shares 76% aa identity with mouse ApoH.

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