

# **Human Apolipoprotein H/ApoH Antibody**

Monoclonal Mouse IgG<sub>2B</sub> Clone # 517038

Catalog Number: MAB5087

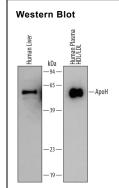
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects endogenous human Apolipoprotein H/ApoH in Western blots.
Source	Monoclonal Mouse IgG <sub>2B</sub> Clone # 517038
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	E. coli-derived recombinant human Apolipoprotein H/ApoH Gly20-Cys345 Accession # P02749
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.

Western Blot 1 μg/mL See E	elow

#### DATA



Detection of Human Apolipoprotein H/ApoH by Western Blot. Western blot shows lysates of human liver tissue and an enriched HDL/LDL fraction of human plasma obtained from ultracentrifugation. PVDF membrane was probed with 1 ug/mL of Human Apolipoprotein H/ApoH Monoclonal Antibody (Catalog # MAB5087) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for Apolipoprotein H/ApoH at approximately 50 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

### PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 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 H (ApoH also known as β2-Glycoprotein 1/β2-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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