

Apolipoprotein H / APOH Antibody

Mouse Monoclonal Antibody [Clone APOH/3705]

Catalog No	Format	Size
350-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
350-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
350-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

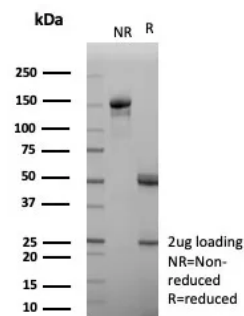
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

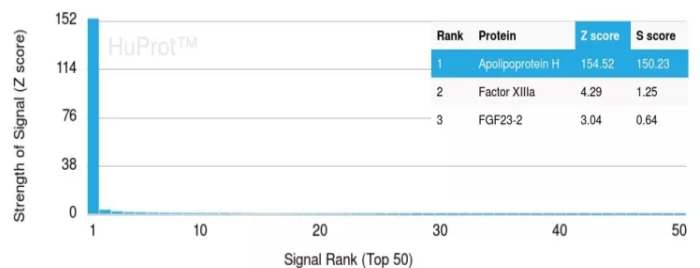
Clone	APOH/3705
Gene Name	APOH
Immunogen	Recombinant fragment (around aa145-345) of human APOH protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	38kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	Human liver.

*Optimal dilution for a specific application should be determined.

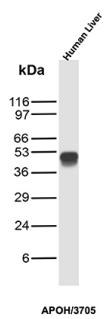
Product Images for Apolipoprotein H / APOH Antibody



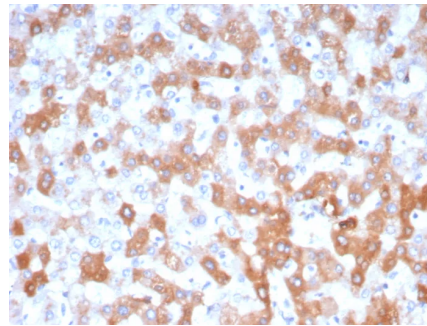
SDS-PAGE Analysis of Purified Apolipoprotein H Mouse Monoclonal Antibody (APOH/3705). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using Apolipoprotein H Mouse Monoclonal Antibody (APOH/3705). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis of Human liver tissue lysate using APOH Mouse Monoclonal Antibody (APOH/3705).



Formalin-fixed, paraffin-embedded human liver stained with Apolipoprotein H Mouse Monoclonal Antibody (APOH/3705). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

Human apolipoprotein H (apoH, also designated b2-glycoprotein I, activated protein C binding protein or APC inhibitor) is a five-domain plasma membrane-adhesion protein that is rich in sialic acid linked to galactose or N-acetylglucosamine. apoH has been implicated in a variety of physiological pathways, including blood coagulation and the immune response. apoH is a cofactor for the binding of serum auto-antibodies from antiphospholipid syndrome, and is correlated with thrombosis, lupus erythematosus and recurrent fetal loss. In addition, apoH is also implicated in the clearance of apoptotic bodies from the circulation. The apoH gene is located on human chromosome 17q24.2. apoH is synthesized by hepatocytes and is present in blood associated with plasma lipoproteins. apoH displays a genetically determined structural polymorphism including three alleles (apoH*1, apoH*2 and apoH*3). apoH can inhibit the translocation of cholesterol from extracellular pools to macrophages, which reduces the cellular accumulation of cholesterol, suggesting that apoH may play an important role in the prevention of atherosclerosis.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular