# APOH Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | APOH, Polyclonal Antibody |
| **Full Product Name** | APOH (Beta-2-glycoprotein 1, APC Inhibitor, Activated Protein C-binding Protein, Anticardiolipin Cofactor, Apolipoprotein H, Apo-H, Beta-2-glycoprotein |
| **Product Gene Name** | anti-APOH antibody |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight490. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Specificity** | Recognizes human APOH. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo |
| **Immunogen** | Full length human APOH, aa1-345 (AAH26283.1). |
| **Immunogen Sequence** | MISPVLILFSSFLCHVAIAGRTCPKPDDLPFSTVVPLKTFYEPGEEITYSCKPGYVSRGGMRKFICPLTGLWPINTLKCTPRVCPFAGILENGAVRYTTFEYPI |
| **Conjugate** | MaxLight490 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-APOH antibody** | Antibodies; Lipoproteins |
| **Applications Tested/Suitable for anti-APOH antibody** | Western Blot (WB) |
| **Application Notes for anti-APOH antibody** | Applications are based on unconjugated antibody. |
| **Related Product Information for anti-APOH antibody** | Binds to various kinds of negatively charged substances such as heparin, phospholipids, and dextran sulfate. May prevent activation of the intrinsic blo |
| **Other Notes** | Small volumes of anti-APOH antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess |
| **Searchable Terms for APOH purchase** | MBS6370117 is an antibody targeting APOH. Also known as APOH (Beta-2-glycoprotein 1, APC Inhibitor, Activated Protein C-binding Protein, Anticard |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for APOH. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 20072225 |
| **NCBI GeneID** | 350 |
| **NCBI Accession #** | BC026283 |
| **NCBI Related Accession #** | AAH26283.1 |
| **UniProt Related Accession #** | P02749 |
| **NCBI Official Full Name** | Homo sapiens apolipoprotein H (beta-2-glycoprotein I), mRNA |
| **NCBI Official Synonym Full Names** | apolipoprotein H |
| **NCBI Official Symbol** | APOH |
| **NCBI Official Synonym Symbols** | BG; B2G1; B2GP1 |
| **Protein Family** | Beta-2-glycoprotein |
| **NCBI Protein Information** | beta-2-glycoprotein 1 |
| **NCBI Summary for APOH** | Apolipoprotein H, also known as beta-2-glycoprotein I, is a component of circulating plasma lipoproteins. It has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, hemostasis, and the production of antiphospholipid autoantibodies. APOH may be a required cofactor for anionic phospholipid binding by the antiphospholipid autoantibodies found in sera of many patients with lupus and primary antiphospholipid syndrome (APS). The anti-beta (2) glycoprotein I antibodies from APS patients, mediate inhibition of activated protein C which has anticoagulant properties. Because beta-2-GPI is the main autoantigen in patients with APS, the disruption of this pathway by autoantibodies may be an important mechanism for thrombosis in patients with APS.[provided by RefSeq, Dec 2019] |
| **Research Articles on APOH** | **1.** beta2GPI/abeta2GPI can inhibit the phagocytosis of oxLDL and CD36 expression in macrophages, which is linked to the function of TLR4. |
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