



Goat anti Human Apolipoprotein-H polyclonal antibody (CABT-L510)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is specific for β 2 GPI as demonstrated by immunoelectrophoresis and ELISA.
Target	b2-Glycoprotein-1 (APO-H)
Immunogen	Human β 2GPI purified from plasma.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Affinity purified
Conjugate	Unconjugated
Applications	IEP, ELISA
Format	Liquid
Size	0.5 mg
Buffer	10 mM HEPES, pH 7.4, 150 mM NaCl, 50% (v/v) glycerol.
Preservative	None
Storage	Store between -10 and -20°C. Product will become viscous but will not freeze. Avoid storage in frost-free freezers. Keep vial tightly capped. Allow product to warm to room temperature and gently mix before use.

BACKGROUND

Introduction

Apolipoprotein-H, also known as β 2-Glycoprotein I (β 2GPI), is a plasma glycoprotein that circulates at a concentration of 200 μ g/ml (4 μ M). Synthesized in the liver, β 2GPI is a single chain molecule of 48 kDa, consisting of five repeating internally disulphide-bonded structures referred to as sushi domains. Relative to other glycoproteins, β 2GPI has an unusually high content of cysteine (6.2%), proline (8.3%) and carbohydrate (19%). Almost half the circulating β 2GPI in plasma is associated with lipoproteins of all major fractions. β 2GPI has been demonstrated to bind negatively charged phospholipids, heparin and platelets. Although the precise function(s) are as yet unknown, β 2GPI has been demonstrated to interfere with blood coagulation by competitively binding to negatively charged phospholipid surfaces exposed during cell activation or damage. Recent evidence also implicates β 2GPI as a cofactor recognized by anti-phospholipid antibodies present in some autoimmune disorders such as systemic lupus erythematosus (SLE).

Keywords

APOH;apolipoprotein H (beta-2-glycoprotein I);BG;B2G1;B2GP1;beta-2-glycoprotein 1;B2GPI;apo-H;beta(2)GPI;APC inhibitor;anticardiolipin cofactor;activated protein C-binding protein;

GENE INFORMATION

Entrez Gene ID

[350](#)

UniProt ID

[P02749](#)
