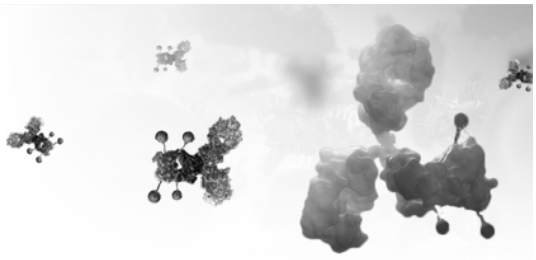

Anti-Oxidized Fibrinogen polyclonal antibody (DPAB3223)

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

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to Oxidized Fibrinogen (insoluble fraction)
Specificity	Several oxidative modifications of Fibrinogen and Lipoproteins
Immunogen	Human oxidized Fibrinogen (insoluble fraction)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA
Format	serum
Concentration	20 µl / 100 µl (lyophilized) resuspend in 20 µl / 100 µl aqua bidest
Preservative	None
Storage	2°C-8°C (lyophilized); - 20°C (dissolved) Repeated thawing and freezing must be avoided

BACKGROUND

Introduction	Fibrinogen is the main protein of blood coagulation system. It is a large protein and it consists of two identical subunits that contain three polypeptide chains: alpha, beta and gamma. All chains are connected with each other by a number of disulfide bonds. Fibrinopeptides A (1 to 16 amino acids) and B (1 to 17 amino acids) are released by thrombin from the N terminal parts

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of alpha and beta chains, respectively. In this way fibrinogen is converted into fibrin, which by means of polymerization forms a fibrin clot. Fibrinogen clotting underlies pathogenesis of MI, thromboembolism and thromboses of arteries and veins, since fibrin is the main substrate for thrombus formation. Fibrinogen activation is also involved in pathogenesis of inflammation, tumor growth and many other diseases. The normal fibrinogen concentration in plasma is about 3 mg/ml. The elevated level of fibrinogen in patient"s blood is regarded as an independent risk factor for cardiovascular diseases. An increase in blood fibrinogen concentration was shown to be a strong predictor of coronary heart disease (Sonel A. et al, and Rapold H.J. et al). All these facts make fibrinogen an important parameter in the diagnosis of cardiovascular diseases.

Keywords FGA; FGB; FGG; Fib2; FGA protein; Fibrinogen A alpha polypeptide; Fibrinogen A alpha polypeptide chain; Fibrinogen alpha chain; Fibrinogen B alpha polypeptide; Fibrinogen beta chain; Fibrinogen G alpha polypeptide; Fibrinogen gamma chain ; Oxidized Fibrin

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