



Chicken Anti-Fibrinogen Polyclonal antibody (CABT-RM284)

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

PRODUCT INFORMATION

Specificity	Fibrinogen
Target	Fibrinogen
Immunogen	Fibrinogen from human plasma.
Isotype	IgY
Source/Host	Chicken
Species Reactivity	Human
Purification	Affinity purified IgY. Product is 0.2 µm filtered.
Conjugate	unconjugated
Applications	N/A
Format	Liquid
Concentration	3.0 mg/mL
Size	1 mg
Buffer	10 mM Sodium Phosphate, 150 mM Sodium Chloride, pH 7.2.
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C

BACKGROUND

Introduction

Fibrinogen is a glycoprotein that circulates in the blood of vertebrates. During tissue and vascular injury it is converted enzymatically by thrombin to fibrin and subsequently to a fibrin-based blood clot. Fibrinogen functions primarily to occlude blood vessels and thereby stop excessive bleeding. However, fibrinogen's product, fibrin, binds and reduces the activity of thrombin. This activity, sometimes referred to as antithrombin I, serves to limit blood clotting. Loss or reduction in this antithrombin 1 activity due to mutations in fibrinogen genes or hypofibrinogen conditions can lead to excessive blood clotting and thrombosis. Fibrin also mediates blood platelet and endothelial cell spreading, tissue fibroblast proliferation, capillary tube formation, and angiogenesis and thereby functions to promote tissue revascularization, wound healing, and tissue repair.

Keywords

FGA; FGA protein; FGB; FGG; Fib2; FIBA; Fibrinogen A alpha polypeptide; Fibrinogen A alpha polypeptide chain; Fibrinogen alpha chain; Fibrinogen B alpha polypeptide; Fibrinogen