

Cleaved-Factor XIIIa (G39) Polyclonal Antibody

Cat No: HR1AP6302

For research use only

Overview

Product Name	Cleaved-Factor XIIIa (G39) Polyclonal Antibody
Source	Rabbit
Applications	WB,ELISA
Species Reactivity	Human
Recommended Dilutions	
Immunogen	
Species	Rabbit
Storage	-20°C/1 year
Isotype	
Clonality	
Concentration	1 mg/ml
Observed band	79kDa
GeneID?Human?	F13A1
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	F13A1; F13A; Coagulation factor XIII A chain; Coagulation factor XIIIa; Protein-glutamine gamma-glutamyltransferase A chain; Transglutaminase A chain
Background	<p>coagulation factor XIII A chain(F13A1) Homo sapiens This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function, and the B subunits do not have enzymatic activity and may serve as plasma carrier molecules. Platelet factor XIII is comprised only of 2 A subunits, which are identical to those of plasma origin. Upon cleavage of the activation peptide by thrombin and in the presence of calcium ion, the plasma factor XIII dissociates its B subunits and yields the same active enzyme, factor XIIIa, as platelet factor XIII. This enzyme acts as a transglutaminase to catalyze the formation of gamma-glutamyl-epsilon-lysine crosslinking between fibrin molecules, thus stabilizing the fibrin clot. It also crosslinks alpha-2-plasmin inhibitor, or</p>