OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA321063

Factor XIIIa (F13A1) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1:1000-2000, WB: 1:200-1000, IHC: 1:15-50
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein corresponding to C terminal 250 amino acids of human coagulation factor XIII, A1 polypeptide
Formulation:	PBS pH7.3, 0.05% NaN3, 50% glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	83 kDa
Gene Name:	coagulation factor XIII A chain
Database Link:	NP_000120 Entrez Gene 60327 RatEntrez Gene 74145 MouseEntrez Gene 2162 Human P00488

View online »

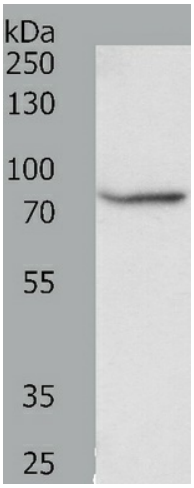
Background: This gene encodes the coagulation factor XIII A subunit. Coagulation factor XIII is the last zymogen to become activated in the blood coagulation cascade. Plasma factor XIII is a heterotetramer composed of 2 A subunits and 2 B subunits. The A subunits have catalytic function; and the B subunits 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.

Synonyms: F13A

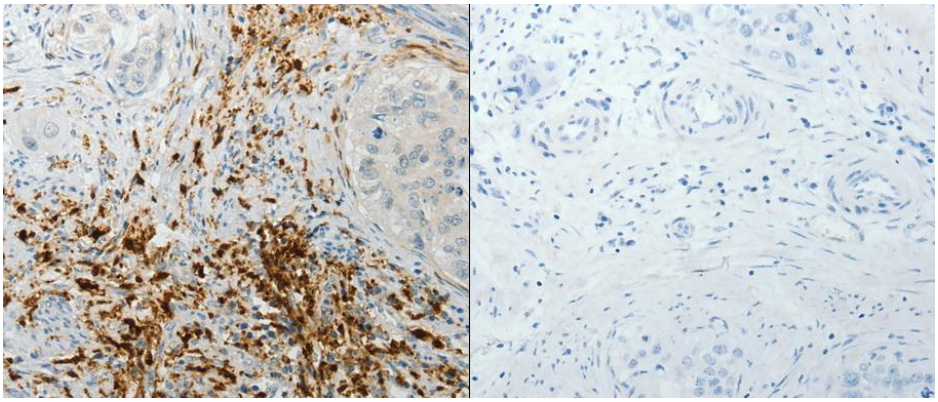
Protein Families: Druggable Genome, Secreted Protein

Protein Pathways: Complement and coagulation cascades

Product images:



Predicted band size: 83 kDa. Positive control: Human fetal muscle tissue lysate. Recommended dilution: 1/200-1000. (Gel: 8%SDS-PAGE Lysate: 40 ug per lane Primary antibody: 1/250 dilution Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution Exposure time: 30 minutes)



Predicted cell location: Secreted, Cytoplasm. Positive control: Human cervical cancer tissue. Recommended dilution: 1/15-50 The image on the left is immunohistochemistry of paraffin-embedded human cervical cancer tissue using F13A1 antibody at dilution 1/15, on the right is treated with the fusion protein. (Original magnification:x200)