

## Product datasheet for **DP103**

### Factor XIIIa (F13A1) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	<b>Immunohistochemistry on Frozen and Paraffin Sections:</b> 1/25-1/50 dilution in an ABC method. We suggest an incubation period of 30 minutes at RT. Formalin fixed paraffin embedded tissue sections require high temperature antigen unmasking with 10 mM citrate buffer, pH 6.0 prior to immunostaining. <b>Positive Control:</b> Placenta.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant protein corresponding to A-subunit of coagulation Factor XIII a
Specificity:	This antibody reacts with a 160 kDa (unreduced dimer) and 80 kDa (reduced monomer) protein. <b>Cellular Localization:</b> Cytoplasmic and nuclear.
Formulation:	State: Purified State: Liquid purified IgG fraction Preservative: Sodium Azide
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	160 kDa (unreduced dimer) and 80kDa (reduced monomer)
Gene Name:	coagulation factor XIII A chain
Database Link:	<a href="#">Entrez Gene 2162 Human P00488</a>



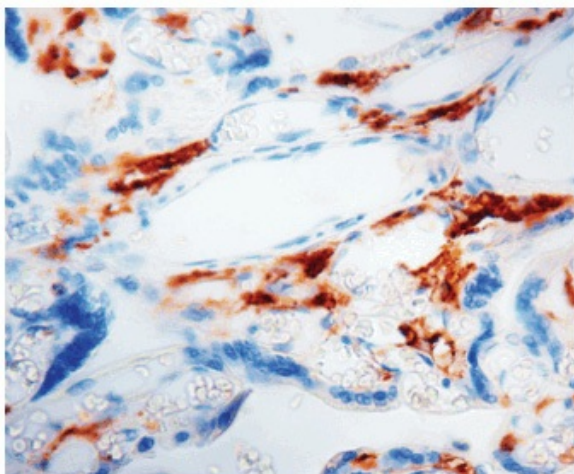
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**Background:**

Factor XIII in both reduced and nonreduced forms. It does not react with human Factor XIII B-chain or human Factor XII. Factor XIII is a  $\beta$ -globulin found in plasma and is composed of two subunits. Factor XIII-A is the catalytic subunit and is a dimer of M.W. 160kDa. Factor XIII is present in plasma as an  $\alpha_2\beta_2$  heterodimer (M.W. 320kDa); whereas in platelets, only the  $\alpha_2$  unit exists. Factor XIIIa is a dermal dendrocyte marker and shows variable reaction with these types of tumors. It can be used for histiocytic phenotyping and has been reported to mark capillary hemangiomas and tumors of the central nervous system. Factor XIII has also been used with CD34 to differentiate between dermatofibroma and dermatofibrosarcoma protuberans.

**Synonyms:**

Coagulation factor XIII A chain, F13A, Transglutaminase A chain

**Product images:**

Formalin fixed paraffin embedded human placenta stained with Factor XIII-A antibody (Cat.-No DP103)