

**Anti-Factor XIIIa Antibody**  
**Mouse Monoclonal Antibody**  
**Catalog # AH13208****Specification**

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**Anti-Factor XIIIa Antibody - Product Information**

Application	WB, IHC-P, IF, FC, E
Primary Accession	<a href="#">P00488</a>
Other Accession	<a href="#">335513</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG2b, kappa
Calculated MW	83268

**Anti-Factor XIIIa Antibody - Additional Information****Gene ID** 2162**Other Names**

Coagulation factor XIII A chain; Coagulation factor XIII A1 polypeptide; Coagulation factor XIIIa; F13A; F13a1; Factor XIIIa; Fibrin stabilizing factor, A subunit; Fibrinolygase; FSF, A subunit; Protein-glutamine gamma-glutamyltransferase A chain; TGase; Transglutaminase A chain; Transglutaminase. plasma

**Application Note**

WB~1:1000  
IHC-P~N/A  
IF~1:50~200  
FC~1:10~50  
E~N/A

**Format**

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage**

Store at 2 to 8°C. Antibody is stable for 24 months.

**Precautions**

Anti-Factor XIIIa Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Anti-Factor XIIIa Antibody - Protein Information****Name** F13A1**Synonyms** F13A

**Function**

Factor XIII is activated by thrombin and calcium ion to a transglutaminase that catalyzes the formation of gamma-glutamyl- epsilon-lysine cross-links between fibrin chains, thus stabilizing the fibrin clot. Also cross-link alpha-2-plasmin inhibitor, or fibronectin, to the alpha chains of fibrin.

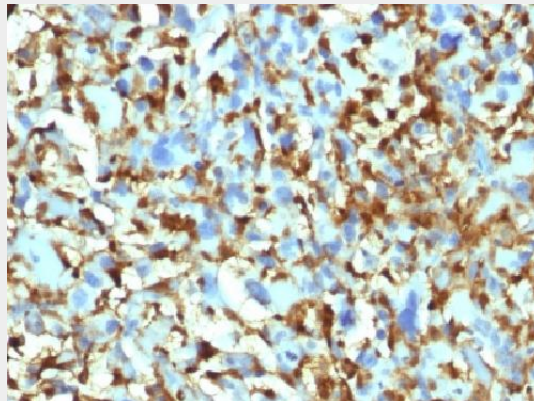
**Cellular Location**

Cytoplasm. Secreted. Note=Secreted into the blood plasma. Cytoplasmic in most tissues, but also secreted in the blood plasma

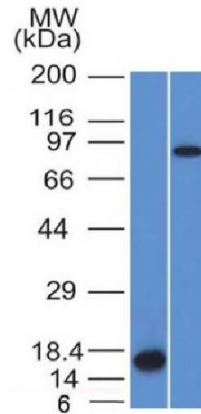
**Anti-Factor XIIIa Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Anti-Factor XIIIa Antibody - Images**

Formalin-fixed, paraffin-embedded human Histiocytoma stained with Factor XIIIa Monoclonal Antibody (F13A1/1448).



Western Blot Analysis of Recombinant Protein and HeLa Cell Lysate using Factor XIIIa Monoclonal Antibody (F13A1/1448).

### **Anti-Factor XIIIa Antibody - Background**

It recognizes a protein of 83kDa, which is identified as Factor XIIIa. It has been identified in platelets, megakaryocytes, and fibroblast-like mesenchymal or histiocytic cells in the placenta, uterus, and prostate, monocytes and macrophages and dermal dendritic cells. Anti-factor XIIIa has been found to be useful in differentiating between dermatofibroma (almost all cases are positive), dermatofibrosarcoma protuberans (-/+ ) and desmoplastic malignant melanoma (-). Anti-factor XIIIa positivity is also seen in capillary hemangioblastoma, hemangioendothelioma, hemangiopericytoma, xanthogranuloma, xanthoma, hepatocellular carcinoma, glomus tumor, and meningioma.