

For Research Use Only

# Factor XIIIa Monoclonal antibody, PBS Only

Catalog Number: 66325-1-PBS



## Basic Information

Catalog Number: 66325-1-PBS	GenBank Accession Number: BC027963	Purification Method: Protein A purification
Size: 1mg/ml	GeneID (NCBI): 2162	CloneNo.: 2D2B2
Source: Mouse	UNIPROT ID: P00488	
Isotype: IgG2b	Full Name: coagulation factor XIII, A1 polypeptide	
Immunogen Catalog Number: AG11105	Calculated MW: 732 aa, 83 kDa	
	Observed MW: 75-80 kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat, pig, rabbit

## Background Information

Factor XIIIa is a blood proenzyme that catalyzes intermolecular cross-linking of fibrinogen and is involved in clotting cascade. It has been identified in various tissues including placenta, uterus, and prostate. Anti- Factor XIIIa has been found to be useful in differentiating between dermatofibroma (90% positive) and desmoplastic malignant melanoma (negative). Factor XIIIa positivity is also seen in capillary hemangioblastoma, hemangioendothelioma, hemangiopericytoma, xanthogranuloma, xanthoma, hepatocellular carcinoma, glomus tumor, and meningioma.

## Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:

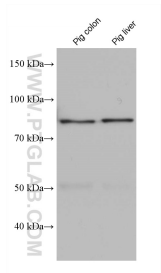
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

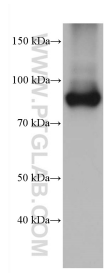
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

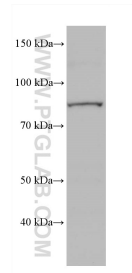
## Selected Validation Data



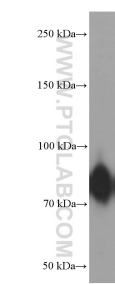
Various lysates were subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



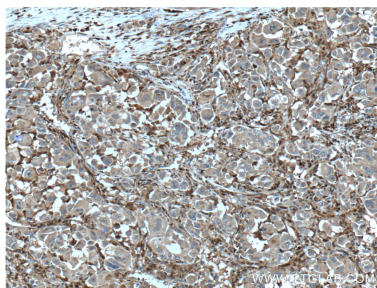
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



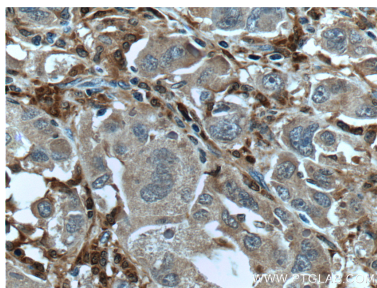
rabbit large intestine tissue was subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



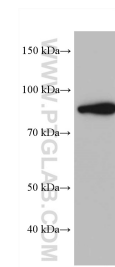
human placenta tissue were subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



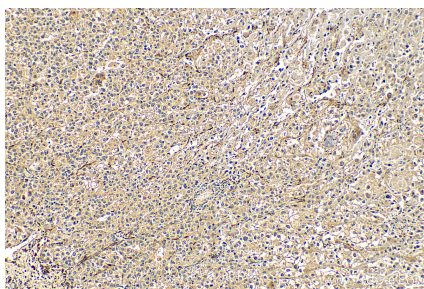
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



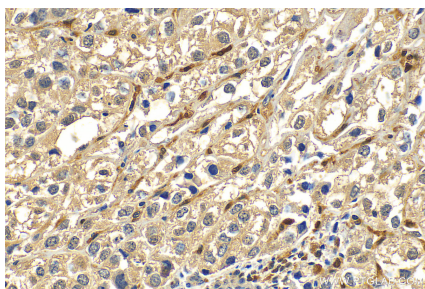
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



rat colon tissue was subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human endometrial cancer tissue slide using 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66325-1-PBS in a different storage buffer formulation.