

For Research Use Only

# Factor XIIIa Monoclonal antibody

Catalog Number: 66325-1-Ig **1 Publications**



## Basic Information

Catalog Number: 66325-1-Ig	GenBank Accession Number: BC027963	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 2162	CloneNo.: 2D2B2
Source: Mouse	UNIPROT ID: P00488	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:100-1:1000
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, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : pig colon tissue, human placenta tissue, human peripheral blood platelets, rat colon tissue, rabbit large intestine tissue, pig liver tissue
Species Specificity: human, mouse, rat, pig, rabbit	IHC : human liver cancer tissue, human endometrial cancer tissue
Cited Species: human	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Hirofumi Watanabe	36609460	Inflamm Regen	WB,IHC

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

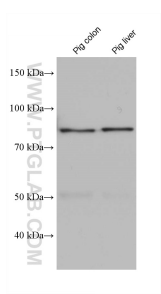
T: 4006900926

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

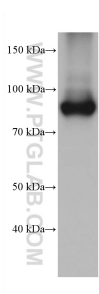
W: [ptgcn.com](http://ptgcn.com)

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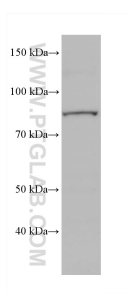
Selected Validation Data



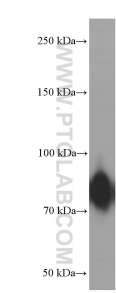
Various lysates were subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours.



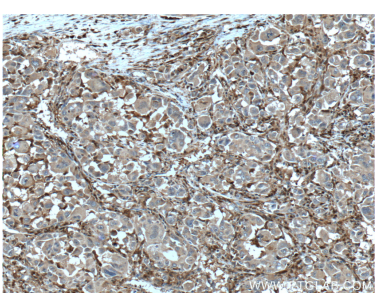
human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours.



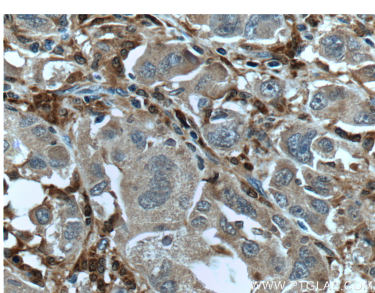
rabbit large intestine tissue was subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa antibody) at dilution of 1:20000 and incubated at room temperature for 1.5 hours.



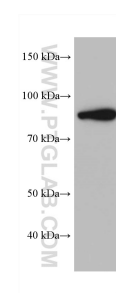
human placenta tissue were subjected to SDS PAGE followed by western blot with 66325-1-Ig (Factor XIIIa Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



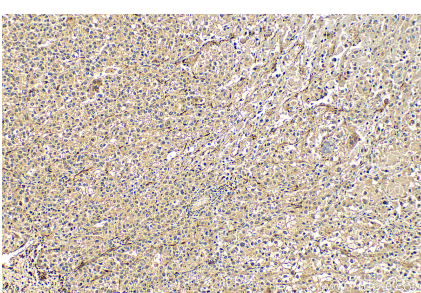
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66325-1-Ig (Factor XIIIa antibody at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



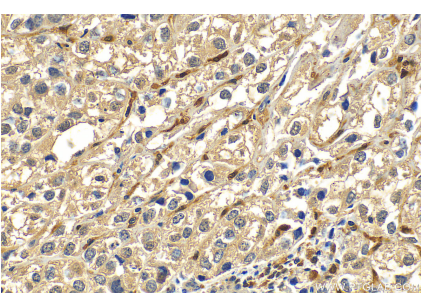
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66325-1-Ig (Factor XIIIa antibody at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.



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).



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).