

For Research Use Only

Factor V Polyclonal antibody, PBS Only

Catalog Number: 20963-1-PBS



Basic Information

Catalog Number:

20963-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_000130

GeneID (NCBI):

2153

UNIPROT ID:

P12259

Full Name:

coagulation factor V (proaccelerin, labile factor)

Calculated MW:

252 kDa

Observed MW:

145 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

Background Information

There are 13 blood coagulation factors found in the blood. There are 13 blood coagulation factors found in the blood. F5 has little or no intrinsic procoagulant activity prior to its activation through limited proteolysis by thrombin or F10a at Arg709, Arg1018 and Arg1545. The resulting F5a molecule is a heterodimer that consists of a 105 kDa heavy chain and a 71/74 kDa light chain that are noncovalently associated in a calcium-dependent manner. The intact procofactor molecule (330 kDa) as well as proteins similar in size to the factor Va light chain (74 kDa) and both light chain precursors (280 and 220 kDa) found in factor Va(IIa) were observed. And factor Xa cleaves the factor Va light chain at Arg1765 into fragments of ~30 and ~48 kDa (residues 1546-1765 and 1766-2196, respectively) in the bovine and human systems.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

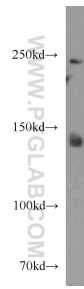
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

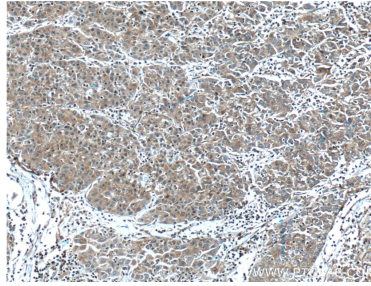
E: proteintech@ptglab.com
W: ptglab.com

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

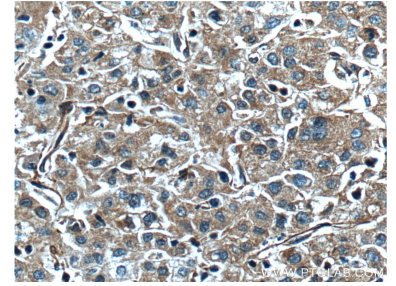
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 20963-1-AP (F5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20963-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20963-1-AP (F5 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20963-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20963-1-AP (F5 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20963-1-PBS in a different storage buffer formulation.