

F9

Polyclonal ANTIBODY

Catalog Number: 21481-1-AP

1 Publications

Basic Information

Catalog Number: 21481-1-AP	GenBank Accession Number: BC109215	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Size: 51 µg/150 µl	GeneID (NCBI): 2158	
Source: Rabbit	Full Name: coagulation factor IX	
Isotype: IgG	Calculated MW: 461aa, 52 kDa	
Purification Method: Antigen affinity purification	Observed MW: 56 kDa	
Immunogen Catalog Number: AG15723		

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Tunicamycin treated HepG2 cells; IHC : human liver cancer tissue;
Cited Applications: WB	
Species Specificity: human	
Cited Species: mouse	
Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

The F9 gene encodes coagulation factor IX which circulates as an inactive zymogen until proteolytic release of its activation peptide allows it to assume the conformation of an active serine protease. Its role in the blood coagulation cascade is to activate factor X (F10) through interactions with calcium, membrane phospholipids, and factor VIII (F8). Factor IX and factor X both consist of 2 polypeptide chains referred to as the L (light) and H (heavy) chains. The H chain bears a structural resemblance to the polypeptide chain of the pancreatic serine protease trypsin (PRSS1). The L chain is covalently linked to the H chain by a single disulfide bond.

Notable Publications

Author	Pubmed ID	Journal	Application
Yuting Guan	26964564	EMBO Mol Med	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

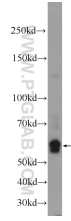
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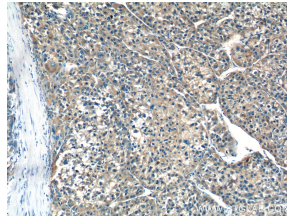
E: proteintech@ptglab.com
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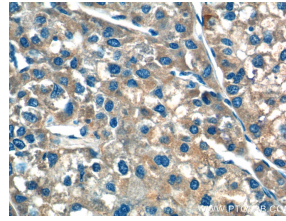
Selected Validation Data



Tunicamycin treated HepG2 cells were subjected to SDS PAGE followed by western blot with 21481-1-AP(F9 Antibody) at dilution of 1:600 incubated at 4 degree celsius over night



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 21481-1-AP(F9 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemistry of paraffin-embedded human liver cancer tissue slide using 21481-1-AP(F9 Antibody) at dilution of 1:200 (under 40x lens).