

For Research Use Only

# Factor IX/PTC Polyclonal antibody

Catalog Number: 21481-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

21481-1-AP

### Size:

340 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15723

### GenBank Accession Number:

BC109215

### GeneID (NCBI):

2158

### UNIPROT ID:

P00740

### Full Name:

coagulation factor IX

### Calculated MW:

461 aa, 52 kDa

### Observed MW:

56 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human

### Cited Species:

human, mouse

### Positive Controls:

WB : Tunicamycin treated HepG2 cells,

IHC : human liver cancer tissue,

**Note-IHC: 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
Paula Carpintero-Fernández	35184131	Cell Death Dis	IF
Zijun Lin	32848539	Front Neurosci	WB

## 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:

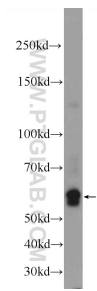
T: 4006900926

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

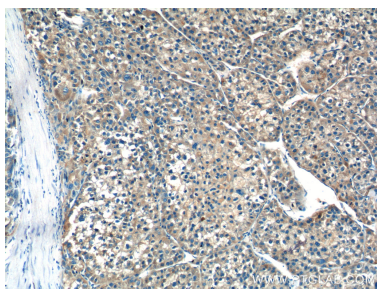
W: [ptgcn.com](http://ptgcn.com)

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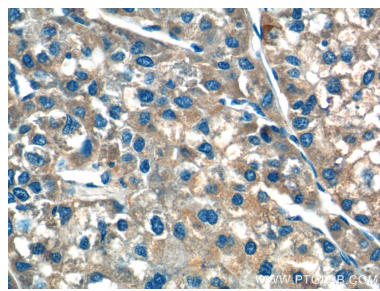
Selected Validation Data



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.



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



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