

For Research Use Only

# Factor IX/PTC Recombinant antibody, PBS Only

Catalog Number: 84533-4-PBS



## Basic Information

<b>Catalog Number:</b> 84533-4-PBS	<b>GenBank Accession Number:</b> NM_000133.4	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2158	<b>CloneNo.:</b> 241742G4
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P00740-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> coagulation factor IX	
<b>Immunogen Catalog Number:</b> EG1045	<b>Calculated MW:</b> 52kDa	
	<b>Observed MW:</b> 72 kDa	

## Applications

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

**Species Specificity:**  
human

## 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. Native Factor IX MW is around 72kDa (PMID:827443; 12496253), and it can be cleaved into different fragments.

## Storage

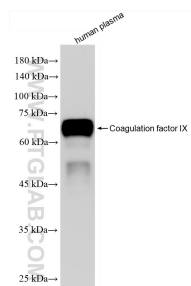
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

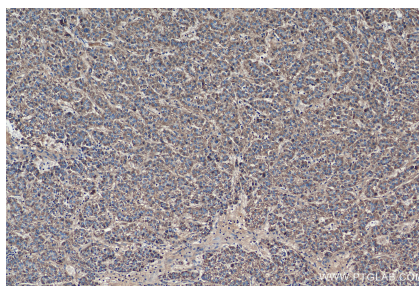
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 84533-4-RR (Coagulation factor IX antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84533-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded Human Hepatocellular cancer slide using 84533-4-RR (Factor IX/PTC 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 84533-4-PBS in a different storage buffer formulation.