

For Research Use Only

Factor IX/PTC Recombinant antibody

Catalog Number: 84533-4-RR



Basic Information

Catalog Number: 84533-4-RR	GenBank Accession Number: NM_000133.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2158	CloneNo.: 241742G4
Source: Rabbit	UNIPROT ID: P00740-1	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:200-1:800
Isotype: IgG	Full Name: coagulation factor IX	
Immunogen Catalog Number: EG1045	Calculated MW: 52kDa	
	Observed MW: 72 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : human plasma, IHC : Human Hepatocellular cancer,

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

Storage

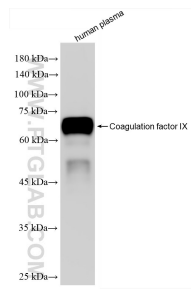
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

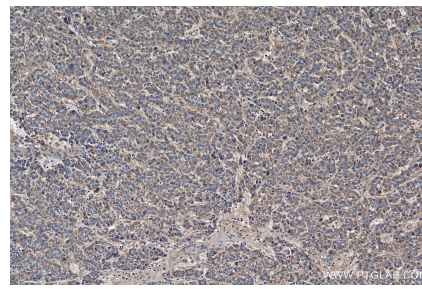
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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.



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).