

Factor IX/PTC Polyclonal antibody

Catalog Number: 32051-1-AP

Basic Information

Catalog Number: 32051-1-AP	GenBank Accession Number: NM_000133.4	Purification Method: Antigen affinity Purification
Concentration: 400 ug/ml	GeneID (NCBI): 2158	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:200-1:800
Source: Rabbit	UNIPROT ID: P00740-1	
Isotype: IgG	Full Name: coagulation factor IX	
Immunogen Catalog Number: EG1045	Calculated MW: 52kDa Observed MW: 30-33 kDa, 50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human, mouse	WB : HEK-293 cells, HepG2 cells, L02 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue,

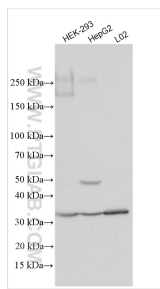
Background Information

The F9 gene encodes coagulation factor IX, which circulates as an inactive zymogen until the 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.

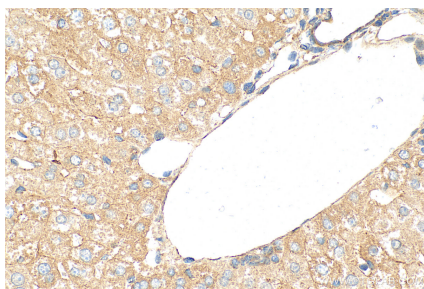
Storage

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32051-1-AP (Factor IX/PTC antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 32051-1-AP (Factor IX/PTC antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).