

Datasheet for ABIN3022174

anti-Coagulation Factor IX antibody (AA 29-192)

5 Images

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Overview

Quantity:	100 µL
Target:	Coagulation Factor IX (F9)
Binding Specificity:	AA 29-192
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Coagulation Factor IX antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 29-192 of human Factor IX / F9 (NP_000124.1).
Sequence:	TVFLDHENAN KILNRPKRYN SGKLEEFVQG NLERECMEEK CSFEEAREVF ENTERTTEFW KQYVDGDQCE SNPCLNGGSC KDDINSYECW CPFGEFGKNC ELDVTCNIKN GRCEQFCKNS ADNKVVCSCT EGYRLAENQK SCEPAVPFPC GRVSVSQTSK LTRA
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

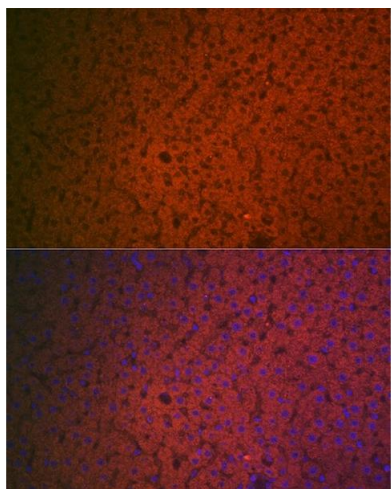
Target:	Coagulation Factor IX (F9)
Alternative Name:	F9 (F9 Products)
Background:	<p>This gene encodes vitamin K-dependent coagulation factor IX that circulates in the blood as an inactive zymogen. This factor is converted to an active form by factor XIa, which excises the activation peptide and thus generates a heavy chain and a light chain held together by one or more disulfide bonds. The role of this activated factor IX in the blood coagulation cascade is to activate factor X to its active form through interactions with Ca⁺² ions, membrane phospholipids, and factor VIII. Alterations of this gene, including point mutations, insertions and deletions, cause factor IX deficiency, which is a recessive X-linked disorder, also called hemophilia B or Christmas disease. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing.,F9,F9p22,FIX,HEMB,P19,PTC,THPH8,F9p22,Immunology & Inflammation,Cell Intrinsic Innate Immunity Signaling Pathway,Cardiovascular,Blood,Coagulation,F9</p>
Molecular Weight:	47 kDa/51 kDa
Gene ID:	2158
UniProt:	P00740

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Restrictions:	For Research Use only

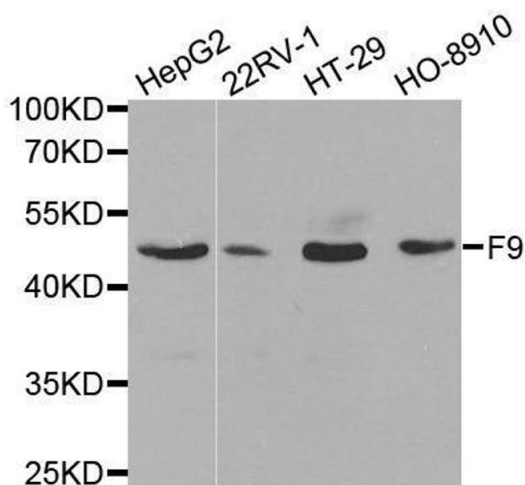
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



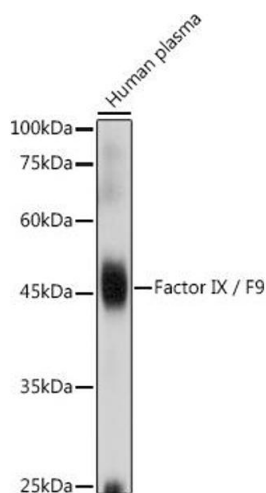
Immunofluorescence

Image 1. Immunofluorescence analysis of rat liver cells using Factor IX / F9 Rabbit pAb (ABIN3022173, ABIN3022174, ABIN3022175, ABIN1512886 and ABIN6218646) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using F9 antibody.



Western Blotting

Image 3. Western blot analysis of extracts of Human plasma, using Factor IX / F9 antibody (ABIN3022173, ABIN3022174, ABIN3022175, ABIN1512886 and ABIN6218646) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN3022174.