



Anti-F9 (aa 96-190) polyclonal antibody (DPAB-DC929)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description

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 Xla, 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 Ca²⁺ 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.

Immunogen

F9 (NP_000124, 96 a.a. ~ 190 a.a) partial recombinant protein with GST tag. The sequence is
 QCESNPCLNGGSCKDDINSYECWCPFGFEGKNCELDVTCNIKNGRCEQFCKNSADNKVVC
 SCTEGYRLAENQKSCEPAVPFPCGRVSQTSKLT

Source/Host

Mouse

Species Reactivity

Human

Conjugate

Unconjugated

Applications

WB (Recombinant protein), ELISA,

Size

50 µl

Buffer

50 % glycerol

Preservative

None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	F9 coagulation factor IX [Homo sapiens (human)]
Official Symbol	F9
Synonyms	F9; coagulation factor IX; FIX; P19; PTC; HEMB; THPH8; F9 p22; FIX F9; factor 9; factor IX F9; Christmas factor; plasma thromboplastic component; plasma thromboplastin component;
Entrez Gene ID	2158
Protein Refseq	NP_000124
UniProt ID	P00740
Chromosome Location	Xq27.1-q27.2
Pathway	Blood Clotting Cascade; Complement and coagulation cascades; Formation of Fibrin Clot (Clotting Cascade); Gamma-carboxylation, transport, and amino-terminal cleavage of proteins
Function	calcium ion binding; serine-type endopeptidase activity;