



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 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.
Immunogen	F9 (NP_000124, 96 a.a. ~ 190 a.a) partial recombinant protein with GST tag. The sequence is QCESNPCLNGGSKDDINSYECWCPFGFEGKNCELDVTCTNIKNGRCEQFCKNSADNKVVC SCTEGYRLAENQKSCEPAVPFPCGRVSVSQTSLT
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;