

Factor IX Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP03123
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from Factor IX at AA range: 412-461
Mol wt	51778
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Factor IX Antibody
Synonyms	Coagulation factor IX (EC 3.4.21.22) (Christmas factor) (Plasma thromboplastin component) (PTC) [Cleaved into: Coagulation factor IXa light chain; Coagulation factor IXa heavy chain]

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

F9(coagulation factor IX) 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 Ca²⁺ ions, membrane phospholipids, and factor VIII. Alterations of F9, 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.

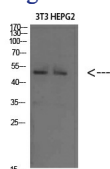
Recommended Dilution

WB: 1: 500 - 2000

ELISA: 1: 10000 - 20000

Not yet tested in other applications.

Images



Western Blot analysis of 3T3 HEPG2 cells using Factor IX Polyclonal Antibody diluted at 1:800. Secondary antibody was diluted at 1:20000

Storage

-20°C for one year