

## FA9 Rabbit Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP09977
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	100ul, 50ul, 20ul
<b>Immunogen</b>	Synthesized peptide derived from human FA9 (light chain  Cleaved-Tyr47)
<b>Mol wt</b>	50710
<b>Species reactivity</b>	Human, Mouse, Rat
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	FA9
<b>Synonyms</b>	FA9 ;light chain; Cleaved-Tyr47; Coagulation factor IX; EC 3.4.21.22; Christmas factor; Plasma thromboplastin component; PTC; 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

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<sup>2+</sup> 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.

### Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for 1 year