

## Factor X Antibody HRP Conjugated

Catalog No: #C08006H

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## Description

Product Name	Factor X Antibody HRP Conjugated
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Purified by Protein A.
Applications	WB IHC-P IHC-F
Species Reactivity	Hu Ms Rt
Immunogen Description	KLH conjugated synthetic peptide derived from human Activated factor Xa heavy chain
Conjugates	HRP
Target Name	Factor X
Other Names	Activated factor Xa heavy chain; Coagulation factor; Coagulation factor X; EC 3.4.21.6; F10 antibody FA10_HUMAN; Factor Xa; FX; FXA; OTTHUMP0000018735; Prothrombinase; Stuart factor; Stuart Prower factor; Stuart-Prower factor; Coagulation factor X; Factor X heavy chain.
Accession No.	NCBI Gene ID2159
Uniprot	P00742
GeneID	2159;
Excitation Emission	N A
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

WB=1:500-2000 IHC-P=1:50-200 IHC-F=1:50-200

## Background

Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (Prothrombin and Factors X, IX, V and VIII), which are involved in a blood coagulation cascade that leads to the formation of insoluble Fibrin clots and the promotion of platelet aggregation. Coagulation Factor X (Stuart Prower factor, FX, F10) is a vitamin K-dependent, single chain serine protease that is synthesized in the liver and circulates as an inactive precursor. The mature form of Factor X (Factor X A) is generated by Factor IX A- or Factor VII A-mediated cleavage at the tripeptide sequence, Arg-Lys-Arg, to yield a disulfide linked dimer. Together with the cofactor Factor V A and Ca<sup>2+</sup> on the surface of platelets or endothelial cells, Factor X A coordinates as part of the prothrombinase complex, which mediates proteolysis of Prothrombin into active Thrombin. Mutations at the Factor X locus resulting in Factor X deficiencies can contribute to hemorrhagic diathesis.

Note: This product is for in vitro research use only