

Factor X LC (R179) polyclonal antibody

Catalog: BS9421

Host: Rabbit

Reactivity: Human,Rat,Mouse

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 Ca²⁺ 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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 16 kDa

Swiss-Prot:

P00742

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

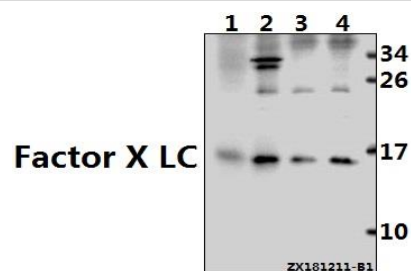
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Factor X LC (R179) polyclonal antibody detects endogenous levels of Factor X LC protein.

DATA:



Western blot (WB) analysis of Factor X LC (R179) polyclonal antibody at 1:500 dilution

Lane1: The Liver tissue lysate of Rat(40ug)

Lane2: AML-12 whole cell lysate(40ug)

Lane3: L02 whole cell lysate(40ug)

Lane4: HepG2 whole cell lysate(40ug)

Note:

For research use only, not for use in diagnostic procedure.

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