bs-7762R **[Primary Antibody]**

Factor X heavy chain Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2159 **SWISS:** P00742

Target: Factor X heavy chain

Immunogen: KLH conjugated synthetic peptide derived from human factor Xa heavy chain: 351-448/488.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Human, Mouse, Rat, Cow, Dog)

Predicted MW.: 28 kDa

Subcellular Location: Cytoplasm

SELECTED CITATIONS

- **[IF=3.277]** Gera,et al.Local Regulation of Thrombin Activity by Factor Xa in Peripheral Nerve Schwann Cells.(2018) Neuroscience. 371:445-454. ICC,WB ;Mouse + Human. 29292076
- **[IF=2.81]** Shimon et al. Recovery from trauma induced amnesia correlates with normalization of thrombin activity in the mouse hippocampus. (2017) PLoS.One. 12:e0188524 WB ;Mouse. 29182653
- **[IF=3.161]** Shavit Stein E et al. Thrombin Inhibition Reduces the Expression of Brain Inflammation Markers upon Systemic LPS Treatment.Neural Plast. 2018 Jun 19;2018:7692182. WB ;Mouse. 30018633
- **[IF=-]** Tumlin,et al.Methods and Drug Therapies for Patency of Occluded Blood Vessels Following Angioplasty.(2017) . :. IHC ;Human. US20170360732A1