

bs-7760R**[Primary Antibody]**

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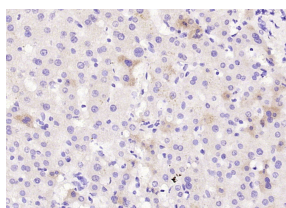
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Factor VII light chain Rabbit pAb**— DATASHEET —**

<p>Host: Rabbit</p> <p>Clonality: Polyclonal</p> <p>GeneID: 2155</p> <p>Target: Factor VII light chain</p> <p>Immunogen: KLH conjugated synthetic peptide derived from human Factor VII: 52-150/466.</p> <p>Purification: affinity purified by Protein A</p> <p>Concentration: 1mg/ml</p> <p>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.</p> <p>Background: Coagulation factor VII, also known as Serum prothrombin conversion accelerator, Factor VII, F7 and FVII, is a member of the peptidase S1 family. Factor VII is one of the central proteins in the coagulation cascade. It is an enzyme of the serine protease class. Factor VII contains two EGF-like domains, one Gla (gamma-carboxy-glutamate) domain and one peptidase S1 domain. The main role of factor VII is to initiate the process of coagulation in conjunction with tissue factor (TF). Tissue factor is found on the outside of blood vessels, normally not exposed to the blood stream. The action of the Factor VII is impeded by tissue factor pathway inhibitor (TFPI), which is released almost immediately after initiation of coagulation. Factor VII is vitamin K dependent and is produced in the liver. The use of warfarin or similar anticoagulants impairs its function. Upon vessel injury, tissue factor is exposed to the blood and circulating Factor VII. Once bound to TF, FVII is activated to FVIIa by different proteases, among which are thrombin (factor IIa), factor Xa, IXa, XIIa, and the FVIIa-TF complex itself. The most important substrates for FVIIa-TF are Factor X and Factor IX.</p>	<p>Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)</p> <p>Reactivity: Human (predicted: Mouse, Rat, Pig, Horse)</p> <p>Predicted MW.: 17/51 kDa</p> <p>Subcellular Location: Secreted</p>
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— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (human liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Factor VII light chain) Polyclonal Antibody, Unconjugated (bs-7760R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.