

**bs-7547R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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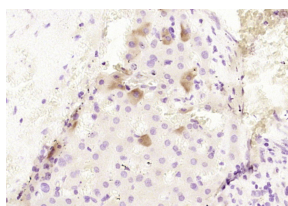
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**CPB2 Rabbit pAb****DATASHEET**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Cow, Dog, Horse)  <b>Predicted MW.:</b> 36 kDa  <b>Subcellular Location:</b> Secreted
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 1361	<b>SWISS:</b> Q96IY4	
<b>Target:</b> CPB2		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human CPB2: 131-230/423.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> This protein belongs to a family of Zn-containing metalloproteinases specific to C-terminal lysine and arginine residues. It circulates in plasma as a zymogen with molecular weight of 55 kDa (401 amino acid residues; pI 5.0). Being activated by thrombin-thrombomodulin complex during blood coagulation, it exerts carboxypeptidase activity. Activated carboxypeptidase B2 removes C-terminal lysine residues from fibrin, which is necessary for plasminogen binding to fibrin. This prevents plasminogen from activation into plasmin and retards the lysis of a fibrin clot. The concentration in plasma of healthy people is 5-10 ug/ml. High plasma levels were found in patients with stable angina pectoris and angiographically verified coronary artery disease. Elevated concentration in blood is considered as a risk factor for venous thrombosis. A deficiency might contribute to the severity of bleeding disorders in hemophilias A and B, and decreased levels are found in chronic liver disease.		

**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 (CPB2) Polyclonal Antibody, Unconjugated (bs-7547R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.