

**bs-10286R****[ Primary Antibody ]****COMP Rabbit pAb****Bioss**  
**ANTIBODIES**

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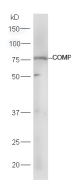
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**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 1311 <b>Target:</b> COMP <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human COMP: 221-320/757. <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> The protein encoded by this gene is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding (thrombospondin-like) domains. Oligomerization results from formation of a five-stranded coiled coil and disulfides. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Mutations can cause the osteochondrodysplasias pseudochoondroplasia (PSACH) and multiple epiphyseal dysplasia (MED). [provided by RefSeq, Jul 2008].	<b>Isotype:</b> IgG  <b>SWISS:</b> P49747	<b>Applications:</b> WB (1:500-2000)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Dog, Horse)  <b>Predicted MW.:</b> 83 kDa  <b>Subcellular Location:</b> Secreted ,Extracellular matrix
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**— VALIDATION IMAGES —**

Protein: Raji lysate; Primary: rabbit Anti-COMP (bs-10286R) at 1:300; Secondary: HRP conjugated Goat-Anti-rabbit IgG(bs-0295G-HRP) at 1: 5000; Predicted band size: 83 kD Observed band size: 77 kD

**— SELECTED CITATIONS —**

- **[IF=1.879]** Guangdi Li. et al. The relationship between abnormal Core binding factor- $\beta$  expression in human cartilage and osteoarthritis. BMC Musculoskel Dis. 2021 Dec;22(1):1-13 WB ;Human. 33573620