

**bs-10428R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

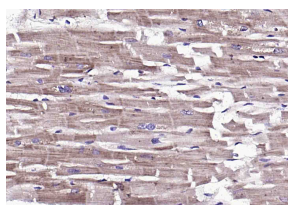
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**C2a Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 717 <b>Target:</b> C2a <b>Immunogen:</b> KLH conjugated synthetic peptide derived from human C2a: 401-500/752. <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> bs-10482P is one synthetic peptide derived from human C2a. Component C2 is a serum glycoprotein that functions as part of the classical pathway of the complement system. Activated C1 cleaves C2 into C2a and C2b. The serine proteinase C2a then combines with complement factor 4b to create the C3 or C5 convertase. Deficiency of C2 has been reported to associated with certain autoimmune diseases and SNPs in this gene have been associated with altered susceptibility to age-related macular degeneration. This gene localizes within the class III region of the MHC on the short arm of chromosome 6. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Additional transcript variants have been described in publications but their full-length sequence has not been determined.[provided by RefSeq, Mar 2009].	<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  <b>Predicted MW.:</b> 56 kDa <b>Subcellular Location:</b> Secreted
--	---

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human heart); 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; Incubation with (C2a) Polyclonal Antibody, Unconjugated (bs-10428R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.55]** Caine, Jennifer A., et al. "Borrelia burgdorferi outer surface protein C (OspC) binds complement component C4b and confers bloodstream survival." Cellular Microbiology (2017). ICC ;="Human". 28873507