

**bs-2371R****[ Primary Antibody ]****PKA C alpha + beta Rabbit pAb****BioSS**  
**ANTIBODIES**

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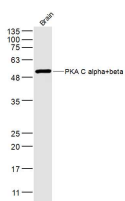
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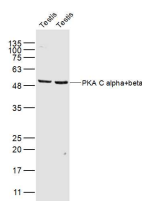
400-901-9800

**— DATASHEET —**

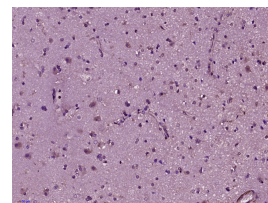
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500)  <b>Reactivity:</b> Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Dog)  <b>Predicted MW.:</b> 40/50 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 5566	<b>SWISS:</b> P17612	
<b>Target:</b> PKA C alpha + beta		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human PKA beta: 251-351/351.		
<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> cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP dependent protein kinase (AMPK), which transduces the signal through phosphorylation of different target proteins. The inactive holoenzyme of AMPK is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits of AMPK have been identified in humans. PKA beta (catalytic subunit) is a member of the Ser/Thr protein kinase family and is a catalytic subunit of AMPK.		

**— VALIDATION IMAGES —**

Sample: Brain(Rat) Lysate at 40 ug Primary: Anti-PKA C alpha+beta (bs-2371R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40/50 kD  
Observed band size: 50 kD



Sample: Testis(Rat) Lysate at 40 ug Primary: Anti-PKA C alpha+beta (bs-2371R) at 1/300 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 40/50 kD  
Observed band size: 50 kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); 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 (PKA C alpha+beta) Polyclonal Antibody, Unconjugated (bs-2371R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.