

**bs-8572R****[ Primary Antibody ]****phospho-CPLA2 (Ser505) Rabbit pAb****BioSS**  
ANTIBODIES

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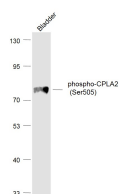
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Mouse (predicted: Human, Rat, Rabbit, Horse)
<b>GeneID:</b> 5321	<b>SWISS:</b> P47712	
<b>Target:</b> CPLA2 (Ser505)		<b>Predicted MW.:</b> 82 kDa
<b>Immunogen:</b> KLH conjugated synthesised phosphopeptide derived from human CPLA2 around the phosphorylation site of Ser505: PL(p-S)PL.		<b>Subcellular Location:</b> Cytoplasm
<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 gene encodes a member of the cytosolic phospholipase A2 group IV family. The enzyme catalyzes the hydrolysis of membrane phospholipids to release arachidonic acid which is subsequently metabolized into eicosanoids. Eicosanoids, including prostaglandins and leukotrienes, are lipid-based cellular hormones that regulate hemodynamics, inflammatory responses, and other intracellular pathways. The hydrolysis reaction also produces lysophospholipids that are converted into platelet-activating factor. The enzyme is activated by increased intracellular Ca(2+) levels and phosphorylation, resulting in its translocation from the cytosol and nucleus to perinuclear membrane vesicles. [provided by RefSeq, Jul 2008].		

**— VALIDATION IMAGES —**

Sample: Bladder (Mouse) Lysate at 40 ug  
Primary: Anti-phospho-CPLA2 (Ser505)(  
bs-8572R) at 1/1000 dilution Secondary:  
IRDye800CW Goat Anti-Rabbit IgG at 1/20000  
dilution Predicted band size: 82 kD Observed  
band size: 82 kD