

**bs-3035R****[ Primary Antibody ]****phospho-ATP1A1 (Ser16) Rabbit pAb****BioSS**  
**ANTIBODIES**

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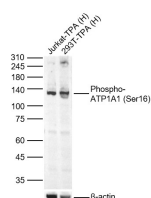
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Sheep, Cow, Dog, GuineaPig)
<b>GeneID:</b> 476	<b>SWISS:</b> P05023	<b>Predicted MW.:</b> 110 kDa
<b>Target:</b> ATP1A1 (Ser16)		<b>Subcellular Location:</b> Cell membrane
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human ATP1A1 around the phosphorylation site of Ser16: AV(p-S)E.		
<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 belongs to the family of P-type cation transport ATPases, and to the subfamily of Na <sup>+</sup> /K <sup>+</sup> -ATPases. Na <sup>+</sup> /K <sup>+</sup> -ATPase is an integral membrane protein responsible for establishing and maintaining the electrochemical gradients of Na and K ions across the plasma membrane. These gradients are essential for osmoregulation, for sodium-coupled transport of a variety of organic and inorganic molecules, and for electrical excitability of nerve and muscle. This enzyme is composed of two subunits, a large catalytic subunit (alpha) and a smaller glycoprotein subunit (beta). The catalytic subunit of Na <sup>+</sup> /K <sup>+</sup> -ATPase is encoded by multiple genes. This gene encodes an alpha 1 subunit. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May2009].		

**— VALIDATION IMAGES —**

Sample: Lane 1: Human Jurkat-TPA cell Lysates  
Lane 2: Human 293T-TPA cell Lysates Primary:  
Anti-Phospho-ATP1A1 (Ser16)(bs-3035R) at  
1/1000 dilution Secondary: IRDye800CW Goat  
Anti-Rabbit IgG at 1/20000 dilution Predicted  
band size: 110kDa Observed band size: 130kDa