

**bs-42194R****[ Primary Antibody ]****OST-beta Rabbit pAb****BioSS**  
**ANTIBODIES**

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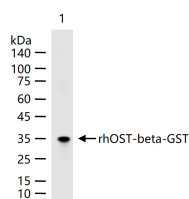
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>Reactivity:</b> Human
<b>GeneID:</b> 123264	<b>SWISS:</b> Q86UW2	
<b>Target:</b> OST-beta		<b>Predicted MW.:</b> 14 kDa
<b>Immunogen:</b> Recombinant human OST-beta protein: 57-128/128. < Cytoplasmic >		<b>Subcellular Location:</b> Cell membrane
<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 heteromeric transporter OST Alpha/OST Beta facilitates the transport of bile and other steroid solutes across the basolateral epithelial cell membrane of intestine, liver, testis, kidney and adrenal gland. OST Alpha/OST Beta expression is induced by bile acids through ligand-dependent transactivation of their genes by FXR (Farnesoid X-activated receptor). This genetic regulation suggests that in response to changes in intracellular bile acid levels, bile acids adjust the rate of their own efflux from enterocytes. OST Beta is a 128 amino acid single-pass transmembrane protein that requires OST Alpha to localize to the plasma membrane. Coexpression of OST Alpha and OST Beta is also required to convert the OST Alpha subunit to a mature glycosylated endoglycosidase H-resistant form, suggesting that co-expression facilitates trafficking of OST Alpha through the golgi apparatus. Though widely expressed, OST Beta is present at highest levels in ileum.		

**— VALIDATION IMAGES —**

20 ng rhOST-beta-GST protein (bs-42194P) per lane probed with OST-beta polyclonal antibody respectively, unconjugated (bs-42194R) at 1:1000 dilution and 4°C overnight incubation. Followed by corresponding conjugated secondary antibody incubation at r.t. for 60 min.