

**bs-13841R****[ Primary Antibody ]****BioSS**  
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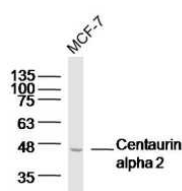
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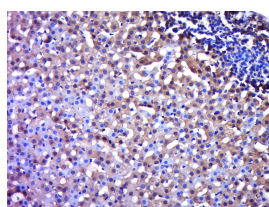
400-901-9800

**Centaurin alpha 2 Rabbit pAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000)
<b>Clonality:</b> Polyclonal		<b>IHC-P</b> (1:100-500)
<b>GeneID:</b> 55803	<b>SWISS:</b> Q9NPF8	<b>IHC-F</b> (1:100-500)
<b>Target:</b> Centaurin alpha 2		<b>IF</b> (1:100-500)
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human Centaurin alpha 2: 201-300/381.		<b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Sheep, Cow, Dog, Horse)
<b>Purification:</b> affinity purified by Protein A		<b>Predicted MW.:</b> 44 kDa
<b>Concentration:</b> 1mg/ml		<b>Subcellular Location:</b> Cell membrane ,Cytoplasm
<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 ADP-ribosylation factor (ARF) family of small GTP-binding proteins are involved in vesicular transport regulation and in controlling cytoskeletal organization and cell adhesion. The Centaurin GTPase-activating protein family comprise a subset of ARF regulatory molecules that transduce PI 3-kinase activation into coordinated control of ARF-dependent pathways. This family includes ASAP1, ACAP1, ACAP2, AGAP1, ARAP1, ARAP2, Centaurin a1, Centaurin g3 and the recently discovered Centaurin a2. Expressed in a wide variety of tissues such as fat, heart and skeletal muscle, Centaurin a2 is thought to negatively regulate ARF-mediated actin rearrangement by binding activated PI 3-kinase. Although the exact function of Centaurin a2 is not yet known, its high sequence similarity with Centaurin a1 suggests that it may also act as an ARF6 GTPase.		

**— VALIDATION IMAGES —**

Sample: MCF-7 Cell (Human) Lysate at 30 ug  
 Primary: Anti-Centaurin alpha 2 (bs-13841R) at 1/300 dilution  
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 44kD  
 Observed band size: 44kD



Paraformaldehyde-fixed, paraffin embedded (Rat adrenal); 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 (Centaurin alpha 2) Polyclonal Antibody, Unconjugated (bs-13841R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.