

**bs-5600R****[ Primary Antibody ]****phospho-TSC1 (Ser505) Rabbit pAb****BioSS**  
**ANTIBODIES**

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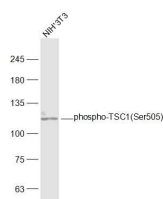
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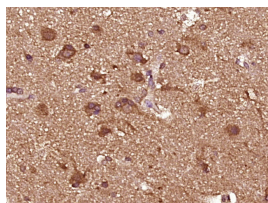
400-901-9800

**— DATASHEET —**

<b>Host:</b> Rabbit <b>Clonality:</b> Polyclonal <b>GeneID:</b> 7248 <b>Target:</b> phospho-TSC1 (Ser505) <b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human TSC1 around the phosphorylation site of Ser505: FD(p-S)PF. <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> Tuberous sclerosis complex (TSC) is an autosomal dominant genetic disorder characterized by mental retardation and the widespread development of distinctive tumors termed hamartomas. Two different genetic loci have been linked to TSC; one of these loci, the tuberous sclerosis-2 gene (TSC2), encodes a protein called tuberin and the other loci, tuberous sclerosis-1 gene (TSC1), encodes a protein called hamartin. Tuberin and hamartin interact with each other forming a cytoplasmic complex. Hamartin interacts with the ezrin-radixin-moesin (ERM) family of actin-binding proteins and inhibition of hamartin activity results in loss of cell adhesion. Hamartin is present in most adult tissues with strong expression in brain, heart, and kidney.	<b>Isotype:</b> IgG <b>SWISS:</b> Q92574 <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 (predicted: Rat, Rabbit, Pig, Cow, Chicken, Dog, Horse) <b>Predicted MW.:</b> 128 kDa <b>Subcellular Location:</b> Cell membrane ,Cytoplasm
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**— VALIDATION IMAGES —**

Sample: NIH/3T3(Mouse) Cell Lysate at 30 ug  
Primary: Anti-phospho-TSC1(Ser505) (bs-5600R)  
at 1/1000 dilution Secondary: IRDye800CW Goat  
Anti-Rabbit IgG at 1/20000 dilution Predicted  
band size: 128 kD Observed band size: 125 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 (TSC1(Ser505))  
Polyclonal Antibody, Unconjugated (bs-5600R)  
at 1:400 overnight at 4°C, followed by operating  
according to SP Kit(Rabbit) (sp-0023)  
instructions and DAB staining.

**— SELECTED CITATIONS —**

- **[IF=4.8]** Cao, Jiaxue, et al. "DNA methylation Landscape of body size variation in sheep." Scientific reports 5 (2015). WB  
;="Sheep". 26472088