

bs-3837R**[Primary Antibody]**

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TSC1 Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: ELISA (1:5000-10000)
Clonality: Polyclonal		
GeneID: 7248	SWISS: Q92574	
Target: TSC1		
Immunogen: KLH conjugated synthetic peptide derived from human Hamartin: 131-230/1164.		
Purification: affinity purified by Protein A		Reactivity: Human (predicted: Mouse, Rat, Pig, Cow, Dog, Horse)
Concentration: 1mg/ml		Predicted MW.: 130 kDa
Storage: 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.		Subcellular Location: Cell membrane ,Cytoplasm
Background: 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.		

— 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
- **[IF=3.14]** Wang, Yuanyuan, et al. "Repression of TSC1/TSC2 mediated by MeCP2 regulates human embryo lung fibroblast cell differentiation and proliferation." International Journal of Biological Macromolecules (2016). IHC ;="Mouse". 28041914