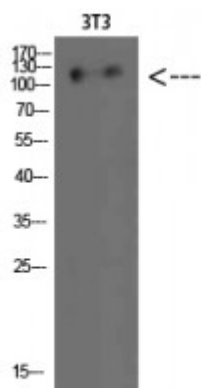


Anti-Hamartin antibody



Description	Rabbit polyclonal to Hamartin.
Model	STJ98591
Host	Rabbit
Reactivity	Human
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from Hamartin
Immunogen Region	360-440 aa
Gene ID	7248
Gene Symbol	TSC1
Dilution range	WB 1:500-2000ELISA 1:10000-20000
Specificity	Hamartin Polyclonal Antibody detects endogenous levels of Hamartin
Tissue Specificity	Highly expressed in skeletal muscle, followed by heart, brain, placenta, pancreas, lung, liver and kidney. Also expressed in embryonic kidney cells.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Hamartin Tuberous sclerosis 1 protein
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:12362OMIM:191100
Alternative Names	Hamartin Tuberous sclerosis 1 protein
Function	In complex with TSC2, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling. Seems not to be required for TSC2 GAP activity towards RHEB. Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling.
Sequence and Domain Family	The C-terminal putative coiled-coil domain is necessary for interaction with TSC2.
Cellular Localization	Cytoplasm Membrane. At steady state found in association with membranes.
Post-translational Modifications	Phosphorylation at Ser-505 does not affect interaction with TSC2.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com