

**Tuberin (phospho Ser939) rabbit pAb****Cat#: orb770323 (Manual)**

For research use only. Not intended for diagnostic use.

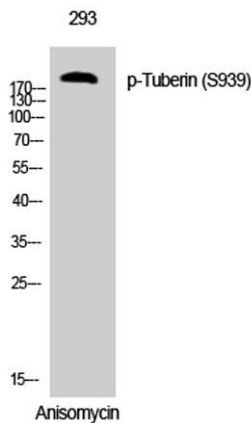
<b>Product Name</b>	Tuberin (phospho Ser939) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Tuberin/TSC2 around the phosphorylation site of Ser939. AA range:905-954
<b>Specificity</b>	Phospho-Tuberin (S939) Polyclonal Antibody detects endogenous levels of Tuberin protein only when phosphorylated at S939.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Tuberin
<b>Gene Name</b>	TSC2
<b>Cellular localization</b>	Cytoplasm. Membrane; Peripheral membrane protein. At steady state found in association with membranes.
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

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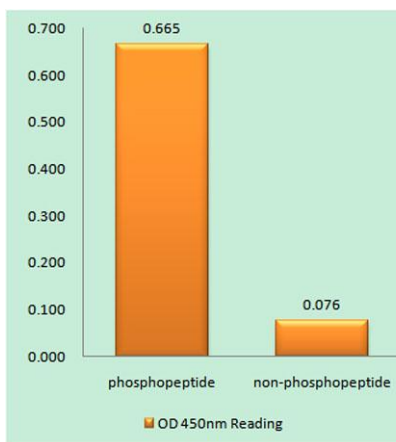
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	200kD
<b>Human Gene ID</b>	7249
<b>Human Swiss-Prot Number</b>	P49815
<b>Alternative Names</b>	TSC2; TSC4; Tuberin; Tuberous sclerosis 2 protein

### Background

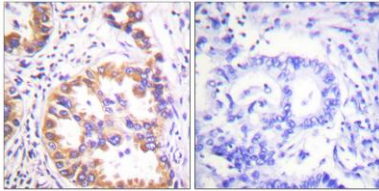
Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],



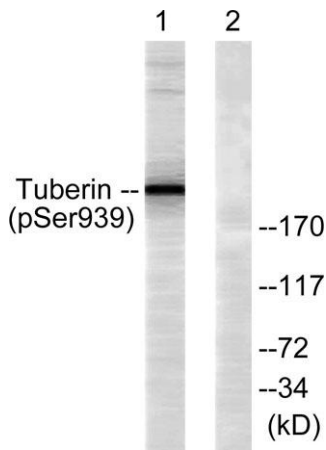
**Western Blot analysis of 293 cells using Phospho-Tuberin (S939) Polyclonal Antibody**



**Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Tuberin/TSC2 (Phospho-Ser939) Antibody**



**Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using Tuberin/TSC2 (Phospho-Ser939) Antibody. The picture on the right is blocked with the phospho peptide.**



**Western blot analysis of lysates from 293 cells treated with Anisomycin 25ug/ml 30', using Tuberin/TSC2 (Phospho-Ser939) Antibody. The lane on the right is blocked with the phospho peptide.**