Best Tools for immunology Research

# Tuberin/TSC2 (Phospho Ser1387) rabbit pAb

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| **Catalog No :** | YP1539 |
| **Reactivity :** | Human;Mouse;Rat |
| **Applications :** | WB |
| **Target :** | Tuberin |
| **Fields :** | >>Phospholipase D signaling pathway;>>p53 signaling pathway;>>Autophagy - animal;>>mTOR signaling pathway;>>PI3K-Akt signaling pathway;>>AMPK signaling pathway;>>Longevity regulating pathway;>>Cellular senescence;>>Thermogenesis;>>Insulin signaling pathway;>>Thyroid hormone signaling pathway;>>Human cytomegalovirus infection;>>Human papillomavirus infection;>>Herpes simplex virus 1 infection;>>Choline metabolism in cancer |
| **Gene Name :** | TSC2 TSC4 |
| **Protein Name :** | Tuberin/TSC2 (Ser1387) |
| **Human Gene Id :** | 7249 |
| **Human Swiss Prot No :** | P49815 |
| **Mouse Swiss Prot No :** | Q61037 |
| **Rat Gene Id :** | 24855 |
| **Rat Swiss Prot No :** | P49816 |
| **Immunogen :** | Synthesized phosho peptide around human Tuberin (Ser1387) |
| **Specificity :** | This antibody detects endogenous levels of Human Mouse Rat Tuberin/TSC2 (phospho-Ser1387) |
| **Formulation :** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source :** | Polyclonal, Rabbit,IgG |

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| **Dilution :** | WB 1:1000-2000 |
| **Purification :** | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen. |
| **Concentration :** | 1 mg/ml |
| **Storage Stability :** | -15°C to -25°C/1 year(Do not lower than -25°C) |
| **Observed Band :** | 200kD |
| **Cell Pathway :** | Insulin Receptor; mTOR; B Cell Receptor; PI3K/Akt; AMPK |
| **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], |
| **Function :** | alternative products:Additional isoforms seem to exist. Experimental confirmation may be lacking for some isoforms,disease:Defects in TSC2 are a cause of lymphangioleiomyomatosis (LAM) [MIM:606690]. LAM is a progressive and often fatal lung disease characterized by a diffuse proliferation of abnormal smooth muscle cells in the lungs. It affects almost exclusively young women and can occur as an isolated disorder or in association with tuberous sclerosis complex.,disease:Defects in TSC2 are the cause of tuberous sclerosis complex (TSC) [MIM:191100]. The molecular basis of TSC is a functional impairment of the tuberin-hamartin complex. TSC is an autosomal dominant multi-system disorder that affects especially the brain, kidneys, heart, and skin. TSC is characterized by hamartomas (benign overgrowths predominantly of a cell or tissue type that occurs normally in the organ) and hamartias (de |
| **Subcellular Location :** | Cytoplasm. Membrane; Peripheral membrane protein. At steady state found in association with membranes. |
| **Expression :** | Liver, brain, heart, lymphocytes, fibroblasts, biliary epithelium, pancreas, skeletal muscle, kidney, lung and placenta. |

## Products Images