Tuberin/TSC2 (phospho-Ser1387) rabbit pAb

Catalog No	YP-Ab-00285
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	TSC2 TSC4
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
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Phospho-Tuberin (Ser1387);Phospho-Tuberin/TSC2 (Ser1387);Phos-TSC2 (Ser1387);Phos-Tuberin (Ser1387);P-TSC2 (Ser1387);Tuberin;TSC2 TSC4; Tuberin/TSC2 (Ser1387);Tuberin (Tuberous sclerosis 2 protein)
Observed Band	200 kDa
Calculated Molecular Weight	1807 aa, 201 kDa
Cell Pathway	Cytoplasm. Membrane; Peripheral membrane protein. At steady state found in association with membranes.
Tissue Specificity	Liver, brain, heart, lymphocytes, fibroblasts, biliary epithelium, pancreas, skeletal muscle, kidney, lung and placenta.
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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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