Anti-Phospho-Tuberin (Ser1387) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108521

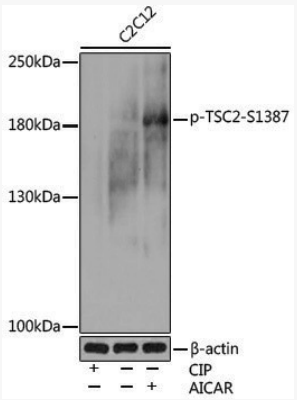
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S1387 of human Tuberin/TSC2 (NP_000539.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-Tuberin (Ser1387) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	LAM; TSC4; PPP1R160; Phospho-TSC2-S1387.
Calculated MW	Calculated MW: 201 kDa; Observed MW: 200 kDa
Uniprot ID	P49815
Gene ID	7249
Background	This gene is a tumor suppressor gene that encodes the growth inhibitory protein tuberin. Tuberin interacts with hamartin to form the TSC protein complex which functions in the control of cell growth. This TSC protein complex negatively regulates mammalian target of rapamycin complex 1 (mTORC1) signaling which is a major regulator of anabolic cell growth. Mutations in this gene have been associated with tuberous sclerosis and lymphangioleiomyomatosis.

Validation Images



Western blot analysis of lysates from C2C12 cells, using Phospho-TSC2-S1387 Rabbit pAb (P108521) at 1:1,000 dilution. C2C12 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour. C2C12 cells were treated by AICAR (0. 5 mM) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Kit.
Exposure time: 60s.