

Phospho-TSC2-S1387 Rabbit pAb

Catalog No.: AP1117

Basic Information

Observed MW

200kDa

Calculated MW

201kDa

Category

Primary antibody

Applications

ELISA, WB

Cross-Reactivity

Human, Mouse, Rat

Background

This gene is a tumor suppressor gene that encodes the growth inhibitory protein tuberlin. Tuberlin 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.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

7249

Swiss Prot

P49815

Immunogen

A synthetic phosphorylated peptide around S1387 of human Tuberlin/TSC2 (NP_000539.2).

Synonyms

LAM; TSC4; PPP1R160; Phospho-TSC2-S1387

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

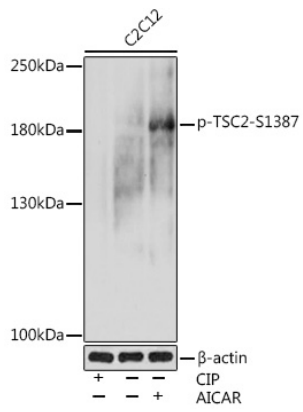
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

Validation Data



Western blot analysis of lysates from C2C12 cells, using Phospho-TSC2-S1387 Rabbit pAb (AP1117) at 1:1000 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) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% BSA. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.