

Phospho-TSC2-S1387 Rabbit pAb

Catalog NO.: AP1117 **1 Publications**

Basic Information

Observed MW

200kDa

Calculated MW

201kDa

Category

Phosphorylated Antibodies

Applications

WB, ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:500 - 1:2000

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID	Swiss Prot
7249	P49815

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

LAM; TSC4; PPP1R160; Phospho-TSC2-S1387

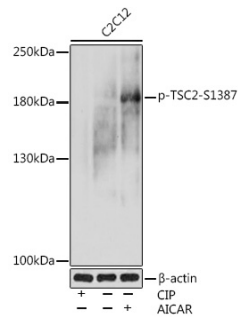
Contact

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	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 with CIP(20uL/400ul) at 37°C for 1 hour. C2C12 cells were treated with 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.

