

TSC2 Rabbit mAb

Catalog No.: A19540 **Recombinant**

Basic Information

Observed MW

200kDa

Calculated MW

201kDa

Category

Primary antibody

Applications

ELISA, WB, IP

Cross-Reactivity

Human

CloneNo number

ARC0019

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 - 1:1000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells

Immunogen Information

Gene ID

7249

Swiss Prot

P49815

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 1700-1807 of human Tuberin (P49815).

Synonyms

LAM; TSC4; PPP1R160; TSC2

Contact

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	www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

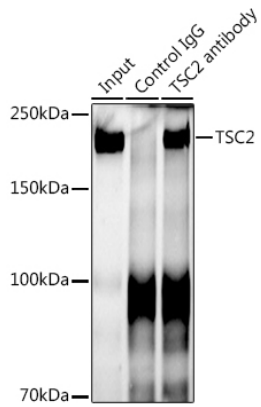
Affinity purification

Storage

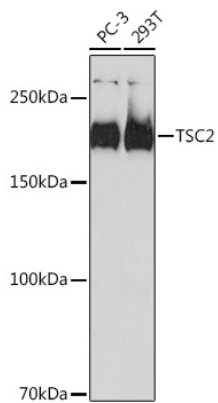
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

Validation Data



Immunoprecipitation analysis of 300 μ g extracts of 293T cells using 3 μ g TSC2 antibody (A19540). Western blot was performed from the immunoprecipitate using TSC2 antibody (A19540) at a dilution of 1:1000.



Western blot analysis of various lysates using TSC2 Rabbit mAb (A19540) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.