

A19540

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TSC2 Rabbit mAb

Catalog No.: A19540

Recombinant

Basic Information

Observed MW

200kDa

Calculated MW

201kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human

CloneNo number

ARC0019

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 - 1:1000

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 Tuberlin (P49815).

Synonyms

LAM; TSC4; PPP1R160; TSC2

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

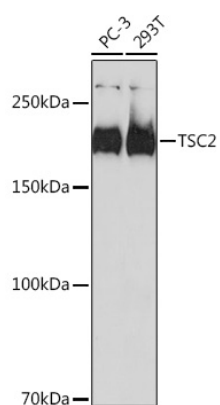
Affinity purification

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



Western blot analysis of various lysates using TSC2 Rabbit mAb (A19540) at 1:1000 dilution.

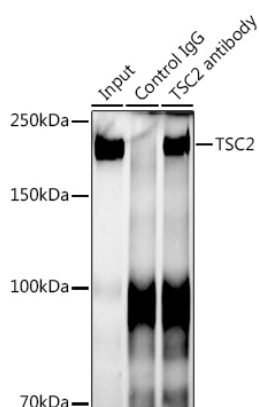
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 90s.



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