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TSC2 Rabbit mAb

Catalog No.: A19540 Recombinant

Basic Information

Observed MW
200kDa

Calculated MW
201kDa

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

Immunogen Information

Gene ID
7249

Swiss Prot
P49815

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

Synonyms
LAM; TSC4; PPP1R160; TSC2

Contact

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Product Information

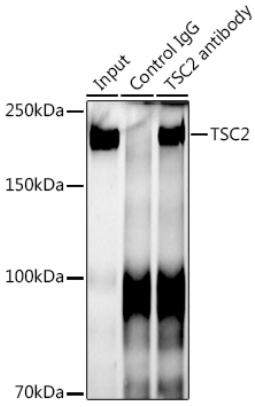
Source
Rabbit

Isotype
IgG

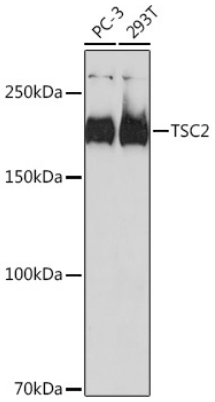
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



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.



Western blot analysis of various lysates using TSC2 Rabbit mAb (A19540) at 1:1000 dilution.
Secondary antibody: HRP-conjugated 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.