

A5121

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TSC1 Rabbit mAb

Catalog No.: A5121

Recombinant

Basic Information

Observed MW

150kDa

Calculated MW

130kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB, ELISA

Cross-Reactivity

Human

CloneNo number

ARC1236

Recommended Dilutions

WB 1:500 - 1:1000

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

Contact



www.abclonal.com

Background

This gene is a tumor suppressor gene that encodes the growth inhibitory protein hamartin. The encoded protein interacts with and stabilizes the GTPase activating protein tuberlin. This hamartin-tuberlin complex negatively regulates mammalian target of rapamycin complex 1 (mTORC1) signaling which is a major regulator of anabolic cell growth. This protein also functions as a co-chaperone for Hsp90 that inhibits its ATPase activity. This protein functions as a facilitator of Hsp90-mediated folding of kinase and non-kinase clients, including TSC2 and thereby preventing their ubiquitination and proteasomal degradation. Mutations in this gene have been associated with tuberous sclerosis and lymphangioleiomyomatosis.

Immunogen Information

Gene ID

7248

Swiss Prot

Q92574

Immunogen

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

Synonyms

LAM; TSC; TSC1

Product Information

Source

Rabbit

Isotype

IgG

Purification

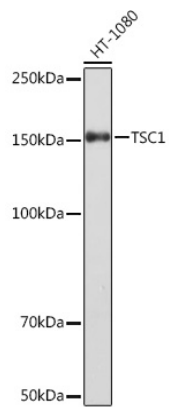
Affinity purification

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 lysates from HT-1080 cells, using TSC1 Rabbit mAb (A5121) 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 Enhanced Kit (RM00021).

Exposure time: 3min.