

A16007

Leader in Biomolecular Solutions for Life Science



TSC2 Rabbit pAb

Catalog No.: A16007

Basic Information

Observed MW

Calculated MW
201kDa

Category

Mouse Monoclonal Antibody

Applications

IF/ICC,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

IF/ICC 1:50 - 1:100

Immunogen Information

Gene ID
7249

Swiss Prot
P49815

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1531-1807 of TSC2 (NP_000539.2).

Synonyms

LAM; TSC4; PPP1R160; TSC2

Contact



www.abclonal.com

Product Information

Source
Rabbit

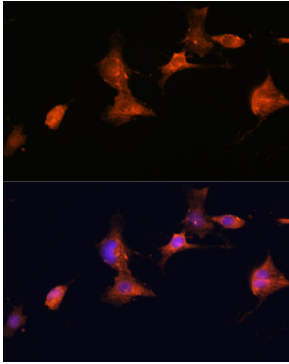
Isotype
IgG

Purification
Affinity purification

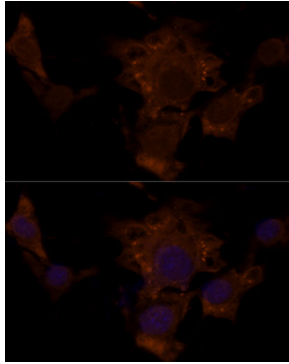
Storage

Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.

Validation Data



Immunofluorescence analysis of C6 cells using TSC2 Rabbit pAb (A16007) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using TSC2 Rabbit pAb (A16007) at dilution of 1:100. Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.