

TSC2 Rabbit pAb

Catalog No.: A0492 **1 Publications**

Basic Information

Catalog No.

A0492

Observed MW

200kDa

Calculated MW

25kDa/187-200kDa

Category

Primary antibody

Applications

WB, IHC, IF

Cross-Reactivity

Human, Mouse, Rat

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IF	1:50 - 1:200

Contact

 | www.abclonal.com

Background

Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms.

Immunogen Information

Gene ID

7249

Swiss Prot

P49815

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 900-1150 of human TSC2 (NP_000539.2).

Synonyms

LAM;PPP1R160;TSC4;TSC2;Tuberin;tuberin

Product Information

Source

Rabbit

Isotype

IgG

Purification

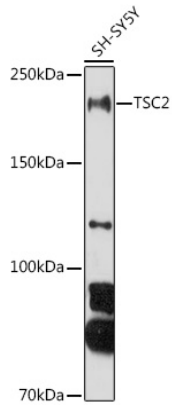
Affinity purification

Storage

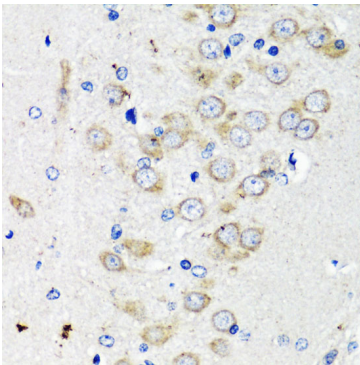
Store at -20°C. Avoid freeze / thaw cycles.

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

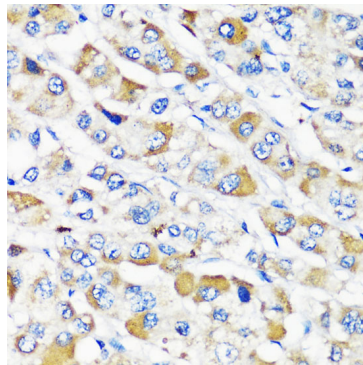
Validation Data



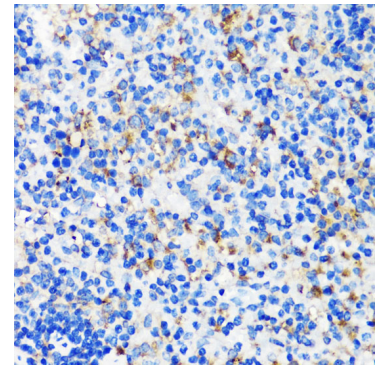
Western blot analysis of extracts of SH-SY5Y cells, using TSC2 antibody (A0492) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.



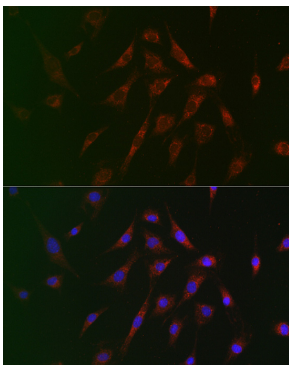
Immunohistochemistry of paraffin-embedded rat brain using TSC2 antibody (A0492) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded human liver cancer using TSC2 antibody (A0492) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using TSC2 antibody (A0492) at dilution of 1:200 (40x lens).



Immunofluorescence analysis of BALB-3T3 cells using TSC2 Rabbit pAb (A0492) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.