

Datasheet for ABIN7101765  
**anti-TSC1 antibody**



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1 Image

## Overview

|              |                                     |
|--------------|-------------------------------------|
| Quantity:    | 500 µL                              |
| Target:      | TSC1                                |
| Reactivity:  | Human                               |
| Host:        | Rabbit                              |
| Clonality:   | Monoclonal                          |
| Conjugate:   | This TSC1 antibody is un-conjugated |
| Application: | Western Blotting (WB)               |

## Product Details

|                   |                                                   |
|-------------------|---------------------------------------------------|
| Immunogen:        | A synthesized peptide derived from human Hamartin |
| Isotype:          | IgG                                               |
| Cross-Reactivity: | Human                                             |
| Characteristics:  | Monoclonal Antibodies                             |
| Purification:     | Affinity purification                             |

## Target Details

|                   |                                                                                                                                                                                        |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | TSC1                                                                                                                                                                                   |
| Alternative Name: | TSC1 ( <a href="#">TSC1 Products</a> )                                                                                                                                                 |
| Background:       | This gene encodes a growth inhibitory protein thought to play a role in the stabilization of tuberin. Mutations in this gene have been associated with tuberous sclerosis. Alternative |

## Target Details

splicing results in multiple transcript variants. [provided by RefSeq, Jun 2009],LAM, TSC,AMPK Signaling Pathway,Apoptosis,Autophagy,Autophagy\_Regulator,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Cell Cycle\_Cell cycle inhibitors,Endocrine & Metabolism,Endocrine and metabolic diseases,Endocrine and metabolic diseases\_Obesity,Epigenetics & Nuclear Signaling,Insulin Receptor Signaling Pathway,mTOR Signaling Pathway,PI3K-Akt Signaling Pathway,PI3K-Akt Signaling Pathway\_Akt downstream targets,Signal Transduction,Translation Control,Translational Control\_Regulation of eIF4 and p70 S6 Kinase,Tumor suppressors,TSC1

Molecular Weight: 150 kDa

Gene ID: 7248

UniProt: [Q92574](#)

Pathways: [RTK Signaling](#), [AMPK Signaling](#), [Regulation of Cell Size](#), [Tube Formation](#)

## Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

## Handling

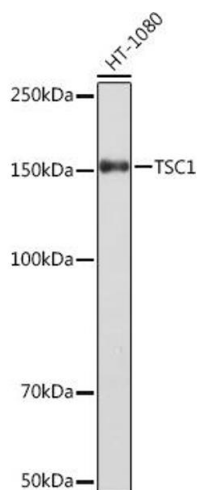
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

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



### Western Blotting

**Image 1.** Western blot analysis of extracts of HT-1080 cells, using TSC1 Rabbit mAb (ABIN1678705, ABIN7101763, ABIN7101764 and ABIN7101765) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 3 min.