

Datasheet for ABIN7101763

anti-TSC1 antibody**1** Image[Go to Product page](#)

Overview

Quantity:	20 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 (TSC1 Products)
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

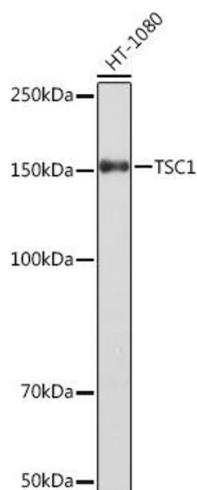
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

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.