

Rabbit anti-Human TSC2 Monoclonal Antibody | anti-TSC2 antibody

TSC2 Rabbit mAb

CATALOG # AAA282731	HOST Rabbit	REACTIVITY Human
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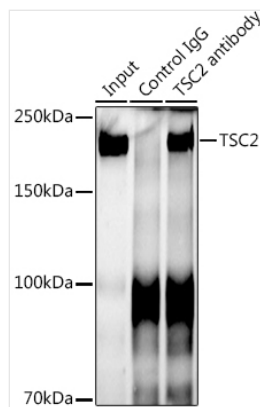
PRODUCT SYNONYMS

TSC2; Monoclonal Antibody; TSC2 Rabbit mAb; LAM; TSC4; PPP1R160; anti-TSC2 antibody

PRODUCT SPECIFICATIONS

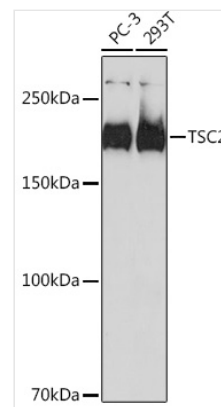
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	AKIVSDRNLP FVARQMALHA NMAQVHHSR SNPTDIYPSK WIARLRHIKR LRQRICEEAA YSNPSLPLVH PPSHSKAPAQ TPAEPTPGYE VGQRKRLISS VEDFTEFV
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1700-1807 of human Tuberin (P49815).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IP (Immunoprecipitation)

Immunoprecipitation analysis of 300 ug extracts of 293T cells using 3 ug TSC2 antibody (AAA282731). Western blot was performed from the immunoprecipitate using TSC2 antibody (AAA282731) at a dilution of 1:1000.



WB (Western Blot)

Western blot analysis of various lysates using TSC2 Rabbit mAb (AAA282731) at 1:1000 dilution. Secondary antibody: HRP-conjugated 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: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-TSC2 antibody	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.
Product Categories/Family for anti-TSC2 antibody	Epigenetics Nuclear Signaling; Translation Control; Regulation of eIF4 and p70 S6 Kinase; Protein phosphorylation; Cancer; Tumor suppressors; Signal Transduction; G protein signaling; PI3K-Akt Signaling Pathway; mTOR Signaling Pathway; MAPK-Erk Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256352
NCBI GeneID	7249
NCBI Accession #	NP_000539.2
NCBI GenBank Nucleotide #	NM_000548.3
UniProt Accession #	P49815; O75275; Q4LE71; Q8TAZ1; A7E2E2; B4DIQ7; B4DRN2; C9J378
Molecular Weight	Calculated MW: 201kDa Observed MW: 200kDa
UniProt Protein Name	Tuberin
UniProt Gene Name	TSC2
UniProt Synonym Gene Names	TSC4
UniProt Entry Name	TSC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.