

Rabbit anti-Human, Mouse TSC1 Polyclonal Antibody | anti-TSC1 antibody

Rabbit anti-TSC1 Antibody, Affinity Purified

CATALOG # AAA210884	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunoprecipitation, Western Blot
-------------------------------	-----------------------	-----------------------------------	--

PRODUCT SYNONYMS

TSC1; Polyclonal Antibody; Rabbit anti-TSC1 Antibody; Affinity Purified; TSC; truncated hamartin; LAM; hamartin; tuberous sclerosis 1 protein; Hamartin; TSC complex subunit 1; anti-TSC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-TSC1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1114 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



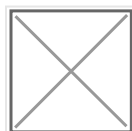
WB (Western Blot)

Detection of human and mouse TSC1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified goat anti-TSC1 antibody AAA210884 (lot AAA210884-1) used for WB at 0.05 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



WB (Western Blot)

Detection of human and mouse TSC1 by western blot. Samples: Whole cell lysate (10 or 50 ug) from HeLa (H) and MEF (M) cells. Antibody: Affinity purified rabbit anti-TSC1 antibody AAA210884 (lot AAA210884-1) used for WB at 0.2 or 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 5 minutes.



IP (Immunoprecipitation)

Detection of human TSC1 by western blot of immunoprecipitates. Samples: Whole cell lysate (60 ug for input and 1.5 mg for IP) from U2OS cells. Antibody: Affinity purified rabbit anti-TSC1 antibody AAA210884 (lot AAA210884-1) used for IP at 1 ug/mg lysate. For blotting immunoprecipitated TSC1, AAA210884 was used at 0.2 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds. Note: TSC2 co-immunoprecipitates with TSC1. TSC2 was detected using a TSC2 antibody from another source.

ADDITIONAL INFORMATION

Related Product Information for anti-TSC1 antibody	Tuberous sclerosis 1 protein (TSC1) forms a heterodimer with TSC2 to integrate cellular growth and stress signals. Defects in the TSC1 and TSC2 gene are responsible for the genetic disorder tuberous sclerosis. The TSC1/TSC2 complex functions in the mTOR pathway by negatively regulating mTOR activity via the small GTP-binding protein Rheb.
Product Categories/Family for anti-TSC1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507693
NCBI GeneID	7248
NCBI Accession #	NP_000359.1
NCBI GenBank Nucleotide #	NM_000368.4
UniProt Accession #	Q92574; Q5VVN5; B7Z897
Molecular Weight	1164
NCBI Official Full Name	hamartin isoform 1
NCBI Official Synonym Full Names	tuberous sclerosis 1
NCBI Official Symbol	TSC1
NCBI Official Synonym Symbols	LAM; TSC
NCBI Protein Information	hamartin; tumor suppressor; tuberous sclerosis 1 protein
UniProt Protein Name	Hamartin
UniProt Gene Name	TSC1
UniProt Synonym Gene Names	KIAA0243; TSC
UniProt Entry Name	TSC1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/tsc1-antibody-immunoprecipitation-western-blot-elisa/210884>