

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

TSC2 Antibody (Center S1418/S1420)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283945	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

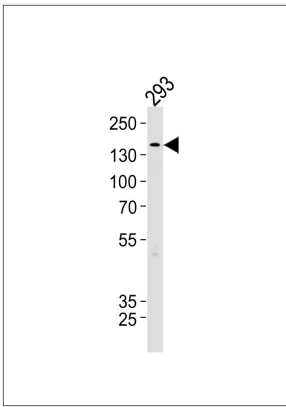
PRODUCT SYNONYMS

TSC2; Polyclonal Antibody; TSC2 Antibody (Center S1418/S1420); Tuberin; Tuberous sclerosis 2 protein; TSC4; anti-TSC2 antibody

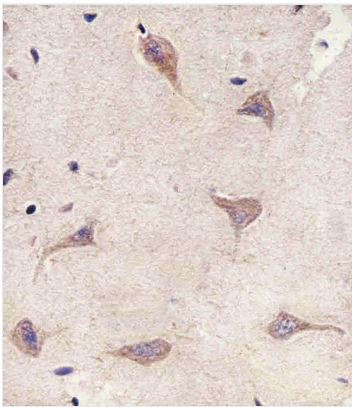
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TSC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1397-1426 amino acids from the Central region of human TSC2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1397-1426
Sequence Length	1807
Applicable Applications for anti-TSC2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
TSC2 Antibody (Center S1418/S1420) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the TSC2 antibody detected the TSC2 protein (arrow).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded H. brain section using TSC2 Antibody (Center S1418/S1420). AAA283945 was diluted at 1:25 dilution. A undiluted biotinylated goat polyvalent antibody was used as the secondary, followed by DAB staining.

ADDITIONAL INFORMATION

Related Product Information for anti-TSC2 antibody	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.
Product Categories/Family for anti-TSC2 antibody	Crown Antibodies; Cell Biology; Microbiology; Neuroscience
References	Slattery, M.L., et al. Carcinogenesis 31(9):1604-1611(2010) Larson, Y., et al. J. Biol. Chem. 285(32):24987-24998(2010) Mehta, M.S., et al. Breast Cancer Res. Treat. (2010) In press : Mieulet, V., et al. Trends Mol Med 16(7):329-335(2010) Liu, C.Y., et al. Carcinogenesis 31(7):1259-1263(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256352
NCBI GeneID	7249
NCBI Accession #	NP_000539.2; NP_001070651.1; NP_001107854.1
NCBI GenBank Nucleotide #	NM_000548.3
UniProt Accession #	P49815; O75275; Q4LE71; Q8TAZ1; A7E2E2; B4DIL8; B4DIQ7; B4DRN2; B7Z2B8; C9J378
Molecular Weight	200608
NCBI Official Full Name	tuberin isoform 1
NCBI Official Synonym Full Names	tuberous sclerosis 2
NCBI Official Symbol	TSC2
NCBI Official Synonym Symbols	LAM; TSC4; PPP1R160
NCBI Protein Information	tuberin
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tsc2-antibody-western-blot-immunohistochemistry-elisa/283945>