

Rabbit anti-Human Phospho-TSC2 (S1420) Polyclonal Antibody | anti-TSC2 antibody

Phospho-TSC2 (S1420) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288234	Rabbit	Human	Immunofluorescence, ELISA, Dot Blot

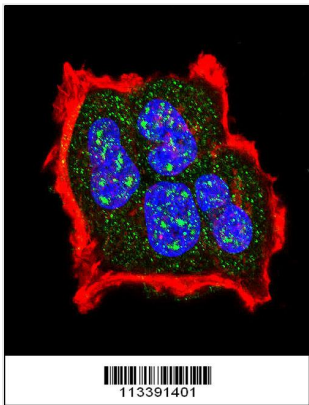
PRODUCT SYNONYMS

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

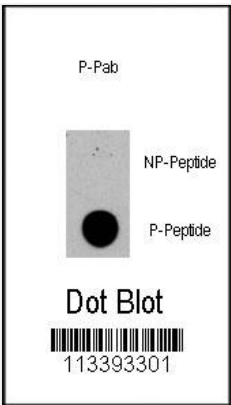
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This TSC2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1420 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: 0.45 (varies by lot)
Sequence Length	1807
Applicable Applications for anti-TSC2 antibody	IF (Immunofluorescence), ELISA, DB (Dot Blot)
Antigen Type	Synthetic Peptide
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



IF (Immunofluorescence)
Confocal immunofluorescent analysis of Phospho-TSC2-S1420 Antibody with MCF-7 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green).Actin filaments have been labeled with Alexa Fluor 555 phalloidin (red).DAPI was used to stain the cell nuclear (blue).



DB (Dot Blot)
Dot blot analysis of anti-TSC2-pS1420 Phospho-specific Pab (RB13391) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5ug per ml.

ADDITIONAL INFORMATION

Related Product Information for anti-TSC2 antibody	Mutations in TSC2 lead to tuberous sclerosis complex. The protein is believed to be a tumor suppressor and is able to specifically stimulate the intrinsic GTPase activity of the Ras-related protein RAP1A and RAB5. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. TSC2 may have a function in vesicular transport, but may also play a role in the regulation of cell growth arrest and in the regulation of transcription mediated by steroid receptors. Interaction between TSC1 and TSC2 may facilitate vesicular docking.
Product Categories/Family for anti-TSC2 antibody	Cell Biology; Metabolism; Signal Transduction; Phospho Antibodies
References	Li, Y., et al., Mol. Cell. Biol. 24(18):7965-7975 (2004). Karbowniczek, M., et al., J. Biol. Chem. 279(29):29930-29937 (2004). Corradetti, M.N., et al., Genes Dev. 18(13):1533-1538 (2004). Birchenall-Roberts, M.C., et al., J. Biol. Chem. 279(24):25605-25613 (2004). Lewis, J.C., et al., J. Med. Genet. 41(3):203-207 (2004).

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

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/phospho-tsc2-s1420-antibody-immunofluorescence-dot-blot-elisa/288234>