

Tuberin/TSC2 Antibody | anti-TSC2 antibody

Tuberin/TSC2 (Phospho-Ser939) Antibody

CATALOG # AAA267002	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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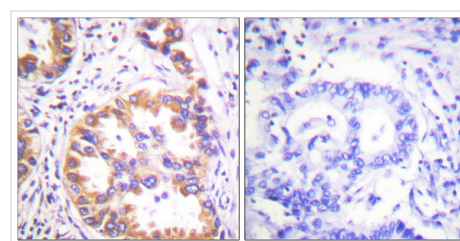
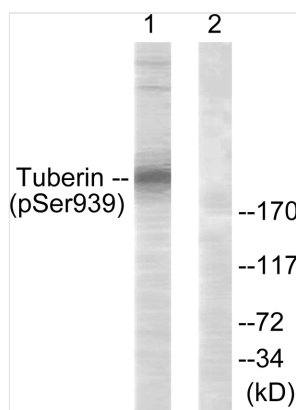
PRODUCT SYNONYMS

Tuberin/TSC2; Tuberin/TSC2 (Phospho-Ser939) Antibody; TSC2; Tuberous sclerosis 2 homolog protein; Tuberous sclerosis 2 protein; anti-TSC2 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	Tuberin/TSC2 (Phospho-Ser939) antibody detects endogenous levels of Tuberin/TSC2 only when phosphorylated at serine 939.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.
Form/Format	In phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	1807
Applicable Applications for anti-TSC2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human Tuberin/TSC2 around the phosphorylation site of serine 939 (S-T-SP-L-N).
All Sites	Human: Ser939 Mouse: Ser939 Rat: Ser939
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
P-peptide-+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue using Tuberin/TSC2 (Phospho-Ser939) antibody. Western blot analysis of extracts from 293 cells, treated with Anisomycin (25ug/ml, 30mins), using Tuberin/TSC2 (Phospho-Ser939) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-TSC2 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
References	Ralf Wienecke, J. Biol. Chem., Jul 1995; 270: 16409. Lauri D. Aicher, J. Biol. Chem., Jun 2001; 276: 21017-21021. Geraldine A. Finlay, J. Biol. Chem., May 2004; 279: 23114-23122. Vanishree Murthy, Am J Physiol Renal Physiol, May 2000; 278: 737.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116256352
NCBI GeneID	7249
NCBI Accession #	NP_000539.2
NCBI GenBank Nucleotide #	NM_000548.4
UniProt Accession #	P49815; O75275; Q4LE71; Q8TAZ1; A7E2E2; B4DIL8; B4DIQ7; B4DRN2; B7Z2B8; C9J378
Molecular Weight	25,773 Da
NCBI Official Full Name	tuberin isoform 1
NCBI Official Synonym Full Names	TSC complex subunit 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.