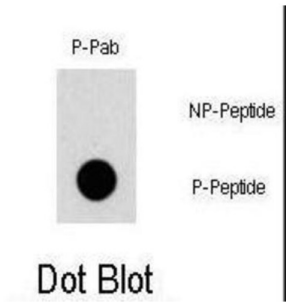
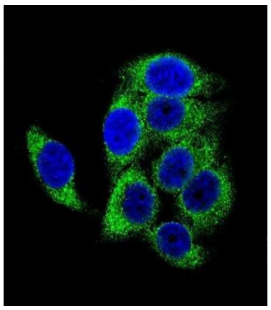
TSC2 (pS1387) Antibody

Catalogue No.:abx031950





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.

Target:	TSC2 (pS1387)
Clonality:	Polyclonal
Target Modification:	Ser1387
Modification:	Phosphorylation
Reactivity:	Human
Tested Applications:	ELISA, IF/ICC, DB
Host:	Rabbit
Recommended dilutions:	IF/ICC: 1/10 - 1/50, DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated

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Immunogen:	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1387 of human TSC2.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P49815 (UniProt, ExPASy)
NCBI Accession:	NP_000539.2, NP_001070651.1, NP_001107854.1
KEGG:	hsa:7249
String:	9606.ENSP00000219476
Molecular Weight:	Calculated MW: 201 kDa
Buffer:	PBS containing 0.09% sodium azide.
Specificity:	Predicted to react with Mouse and Rat TSC2.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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