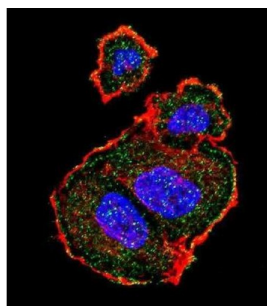
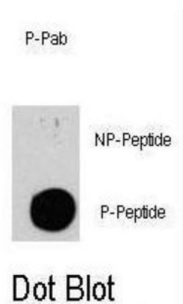


## TSC2 (pS939) Antibody

Catalogue No.: abx031975



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 (pS939)

**Clonality:** Polyclonal

**Target Modification:** Ser939

**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

# Datasheet

Version: 3.0.0  
Revision date: 07 Sep 2025



<b>Immunogen:</b>	KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S939 of human TSC2.
<b>Isotype:</b>	IgG
<b>Form:</b>	Liquid
<b>Purification:</b>	Purified by protein A affinity chromatography. Then, the antibody fraction was peptide affinity purified in a 2-step procedure with peptides. The antibody was eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P49815 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>KEGG:</b>	hsa:7249
<b>String:</b>	<a href="#">9606.ENSP00000219476</a>
<b>Molecular Weight:</b>	Calculated MW: 201 kDa
<b>Buffer:</b>	PBS containing 0.09% sodium azide.
<b>Specificity:</b>	Predicted to react with Mouse TSC2.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.