

Datasheet for ABIN7301412

anti-Tuberin antibody (pSer939)



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2 Images

Overview

Quantity:	100 µL
Target:	Tuberin (TSC2)
Binding Specificity:	pSer939
Reactivity:	Human, Mouse, Rat, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human TSC2 (pS939).
Specificity:	Recognizes endogenous levels of TSC2 (pS939) protein.
Characteristics:	Rabbit polyclonal antibody to TSC2 (pS939)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	Tuberin (TSC2)
Alternative Name:	TSC2 (TSC2 Products)
Background:	TSC4, Tuberin, Tuberous sclerosis 2 protein

Target Details

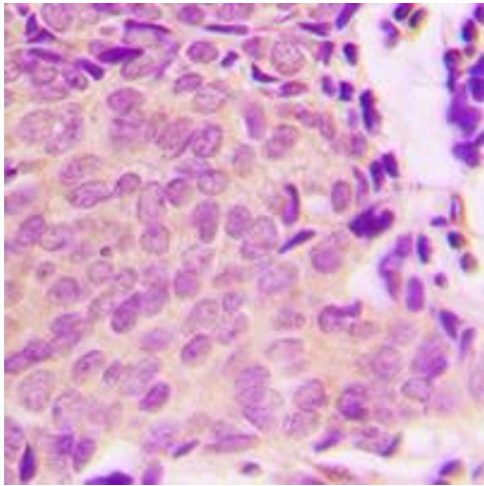
Gene ID:	7249, 24855
UniProt:	P49815 , Q61037 , P49816
Pathways:	RTK Signaling , AMPK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Cell Size , Tube Formation , Protein targeting to Nucleus

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200)
Restrictions:	For Research Use only

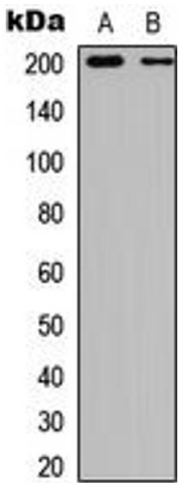
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



Immunohistochemistry

Image 1. Immunohistochemical analysis of TSC2 (pS939) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 2. Western blot analysis of TSC2 (pS939) expression in HEK293T insulin-treated (A), NIH3T3 insulin-treated (B) whole cell lysates.