

Datasheet for ABIN3029333
anti-Tuberin antibody



[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	Tuberin (TSC2)
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This TSC2 antibody was produced from a mouse immunized with TSC2 recombinant protein.
Clone:	249CT19-1-3
Isotype:	IgG1 kappa
Purification:	Purified

Target Details

Target:	Tuberin (TSC2)
Alternative Name:	TSC2 (TSC2 Products)
Background:	Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms.

Target Details

UniProt:	P49815
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

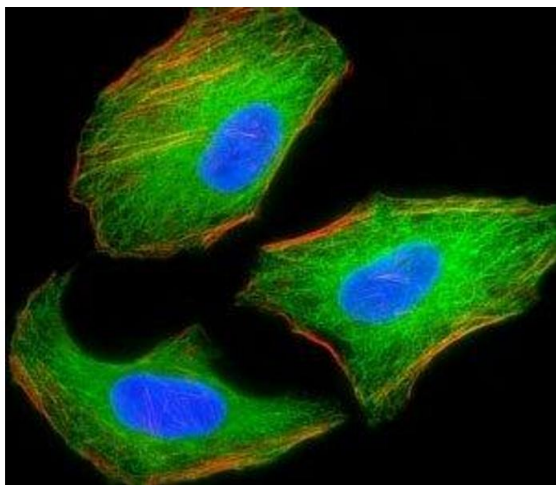
Application Details

Application Notes:	Titration of the TSC2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Immunofluorescence: 1:10-1:50,Western blot: 1:100
Restrictions:	For Research Use only

Handling

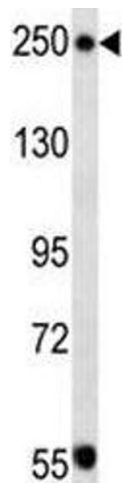
Format:	Liquid
Buffer:	In 1X PBS, pH 7.4, with 0.09 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Aliquot the TSC2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

Images



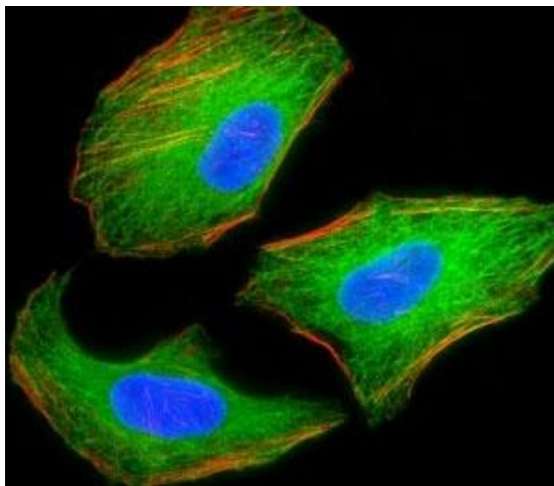
Immunofluorescence

Image 1. Fluorescent image of HeLa cells stained with TSC2 antibody. Alexa Fluor 488 secondary (green), cytoplasmic actin (red) and nuclei counterstained with DAPI (blue) were used. TSC2 immunoreactivity is localized to the microtubules.



Western Blotting

Image 2. TSC2 antibody western blot analysis in mouse NIH3T3 lysate. Predicted molecular weight ~200 kDa.



Immunofluorescence

Image 3. Fluorescent image of HeLa cells stained with TSC2 antibody. Alexa Fluor 488 secondary (green), cytoplasmic actin (red) and nuclei counterstained with DAPI (blue) were used. TSC2 immunoreactivity is localized to the microtubules.