

Datasheet for ABIN3029312
anti-Tuberin antibody (AA 479-508)



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2 Images

Overview

Quantity:	0.4 mL
Target:	Tuberin (TSC2)
Binding Specificity:	AA 479-508
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	A portion of amino acids 479-508 from the human protein was used as the immunogen for this TSC2 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Antigen affinity 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

Target Details

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.

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.\. Western blot: 1:1000

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.



Western Blotting

Image 1. TSC2 antibody western blot analysis in NCI-H292 lysate. Predicted molecular weight ~200 kDa.

Western Blotting

Image 2. TSC2 antibody western blot analysis in NCI-H292 lysate. Predicted molecular weight ~200 kDa.