9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

KD-Validated Anti-Tuberin Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2388

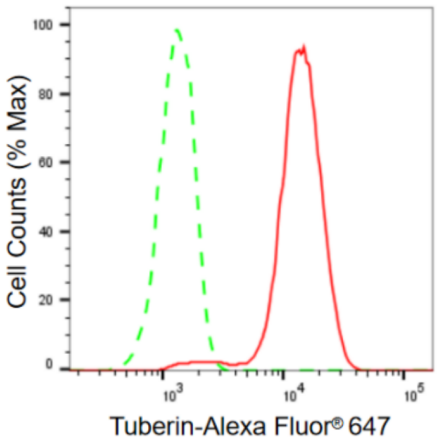
Product Overview

Name	KD-Validated Anti-Tuberin Rabbit Monoclonal Antibody
Accession(Primary)	P49815
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human tuberin
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 201 kDa ; Observed, 200 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000 Flow Cytometry(FCM):1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P49815)

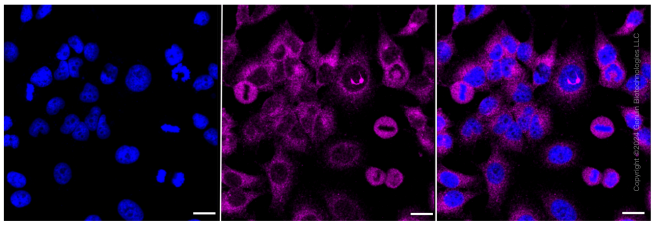
Gene Name	TSC2
About Gene Symbol	TSC2 (Tuberin) is a protein phosphatase involved in cellular metabolism. It is an important research target in metabolic disease, cancer metabolism, and drug discovery and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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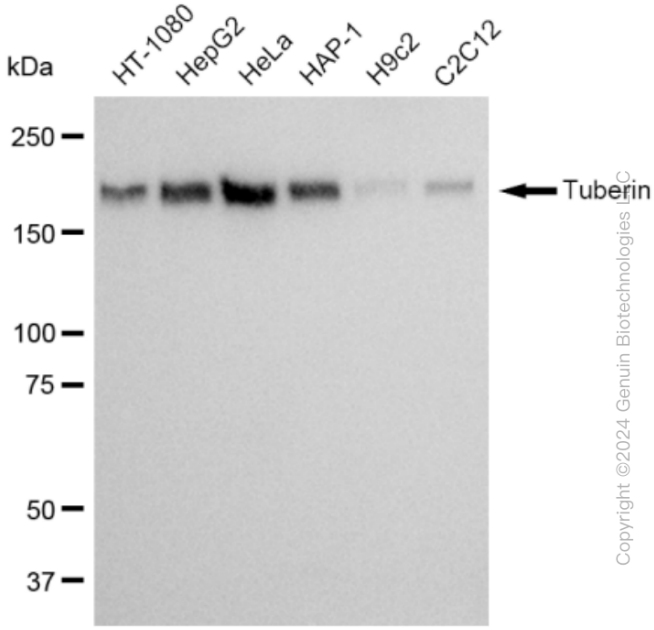


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Flow cytometric analysis of Tuberin expression in HeLa cells using Tuberin antibody (Cat#ABG2388, 1:2,000). Green, isotype control; red, Tuberin.



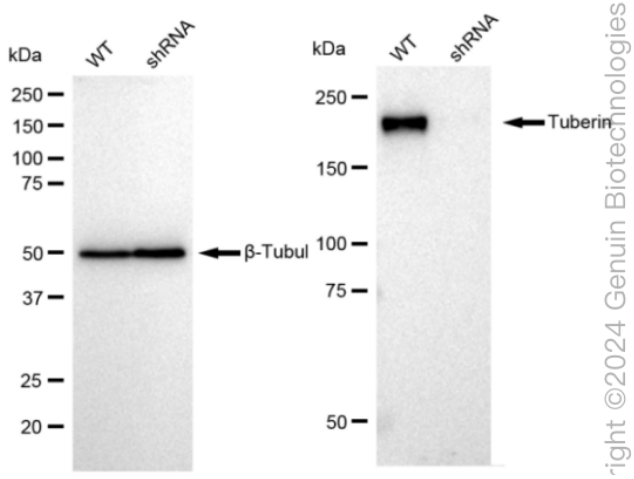
Immunocytochemical staining of HeLa cells with Tuberin antibody (Cat#ABG2388, 1:1,000). Nuclei were stained blue with DAPI; Tuberin was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



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Western blotting analysis using anti-Tuberin antibody (Cat#ABG2388). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Tuberin antibody (Cat#ABG2388, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

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Western blotting analysis using anti-Tuberin antibody (Cat#ABG2388). Tuberin expression in wild type (WT) and Tuberin shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Tuberin antibody (Cat#ABG2388, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.