

## Product datasheet for **TA324345**

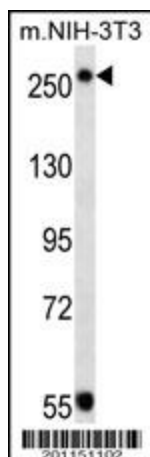
### Tuberin (TSC2) Mouse Monoclonal Antibody [Clone ID: 249CT19.1.3]

#### Product data:

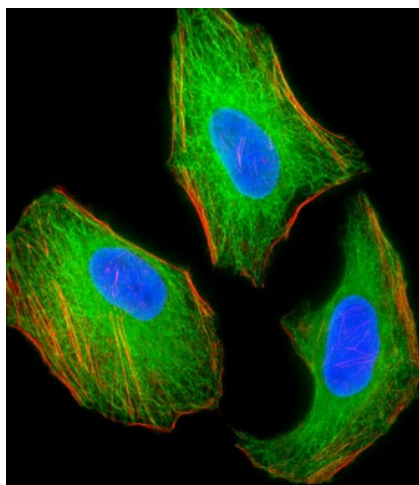
Product Type:	Primary Antibodies
Clone Name:	249CT19.1.3
Applications:	IF, WB
Recommended Dilution:	IF: 1:10~50, WB: 1:100
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This TSC2 monoclonal antibody is generated from mouse immunized with TSC2 recombinant protein.
Formulation:	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration:	lot specific
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	200608 Da
Gene Name:	tuberous sclerosis 2
Database Link:	<a href="#">NP_000539</a> <a href="#">Entrez Gene 22084 Mouse P49815</a>
Synonyms:	LAM; PPP1R160; TSC4
Protein Families:	Druggable Genome
Protein Pathways:	Insulin signaling pathway, mTOR signaling pathway, p53 signaling pathway



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**Product images:**

TSC2 Antibody (Cat. #TA324345) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the TSC2 antibody detected the TSC2 protein (arrow).



IF image of HeLa cell stained with TSC2 Antibody (Cat#TA324345/SG110509AA). HeLa cells were incubated with TSC2 primary antibody (1:25, 1 h at 37°C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-mouse antibody (green) was used (1:400). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/ml). Nuclei were counterstained with DAPI (blue). TSC2 immunoreactivity is localized to Microtubules significantly.