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[Primary Antibody]

Recombinant Rabbit Anti-TSC2 Monoclonal Antibody

Catalog Number: SLA3082M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Clone No.:	5D7
GeneID:	7249
SWISS:	P49815
Target:	TSC2
Immunogen:	A synthesized peptide derived from human Tuberin around the phosphorylation site of S939
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB (1:1000-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	201 kDa
Background:	Catalytic component of the TSC-TBC complex, a multiprotein complex that acts as a negative regulator of the canonical mTORC1 complex, an evolutionarily conserved central nutrient sensor that stimulates anabolic reactions and macromolecule biosynthesis to promote cellular biomass generation and growth.Within the TSC-TBC complex, TSC2 acts as a GTPase-activating protein (GAP) for the small GTPase RHEB, a direct activator of the protein kinase activity of mTORC1.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.