

# Phospho-mouse TSC1(T310) Antibody

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP3819a

## Product Information

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<b>Application</b>	DB, E
<b>Primary Accession</b>	<a href="#">Q9EP53</a>
<b>Other Accession</b>	<a href="#">NP_075025.2</a>
<b>Reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB41244

## Additional Information

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<b>Other Names</b>	Hamartin, Tuberous sclerosis 1 protein homolog, Tsc1, Kiaa0243
<b>Target/Specificity</b>	This mouse TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T310 of mouse TSC1.
<b>Dilution</b>	DB~~1:500 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	Phospho-mouse TSC1(T310) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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### Background

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In complex with TSC2, inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating mTORC1 signaling (By similarity). Implicated as a tumor suppressor. Involved in microtubule-mediated protein transport, but this seems to be due to unregulated mTOR signaling (By similarity).

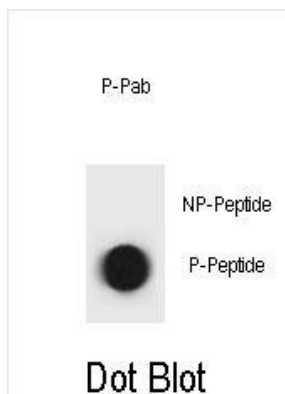
### References

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Kladney, R.D., et al. Cancer Res. 70(21):8937-8947(2010)  
Sathaliyawala, T., et al. Immunity 33(4):597-606(2010)  
Scott, C.L., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 299 (4), L455-L471 (2010) :  
Bartolome, A., et al. Endocrinology 151(7):3084-3094(2010)  
Squarize, C.H., et al. PLoS ONE 5 (5), E10643 (2010) :

## Images

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Dot blot analysis of mouse TSC1 Antibody (Phospho T310) Phospho-specific Pab (Cat. #AP3819a) on nitrocellulose membrane. 50ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6ug per ml.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.