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Datasheet for ABIN1881910  
**anti-TSC1 antibody (pSer555)**

1 Image

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### Overview

Quantity:	400 µL
Target:	TSC1
Binding Specificity:	pSer555
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSC1 antibody is un-conjugated
Application:	Dot Blot (DB)

### Product Details

Immunogen:	This mouse TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S555 of mouse TSC1.
Clone:	RB41773
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	TSC1
Alternative Name:	TSC1 ( <a href="#">TSC1 Products</a> )

## Target Details

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Background:	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).
Molecular Weight:	128746
NCBI Accession:	<a href="#">NP_075025</a>
UniProt:	<a href="#">Q9EP53</a>
Pathways:	<a href="#">RTK Signaling</a> , <a href="#">AMPK Signaling</a> , <a href="#">Regulation of Cell Size</a> , <a href="#">Tube Formation</a>

## Application Details

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Application Notes:	DB: 1:500
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Expiry Date:	6 months

## Publications

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Product cited in:	Akpa, Oyejola: "Modeling the transmission dynamics of HIV/AIDS epidemics: an introduction and a review." in: <b>Journal of infection in developing countries</b> , Vol. 4, Issue 10, pp. 597-608, (2010) ( <a href="#">PubMed</a> ).
	Kladney, Cardiff, Kwiatkowski, Chiang, Weber, Arbeit, Lu: "Tuberous sclerosis complex 1: an epithelial tumor suppressor essential to prevent spontaneous prostate cancer in aged mice." in: <b>Cancer research</b> , Vol. 70, Issue 21, pp. 8937-47, (2010) ( <a href="#">PubMed</a> ).



#### Dot Blot

**Image 1.** Dot blot analysis of Mouse TSC1 Antibody (Phospho ) Phospho-specific Pab (ABIN1881910 and ABIN2839912) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.6 µg per ml.