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Datasheet for ABIN1881912  
**anti-TSC1 antibody (pSer312)**

1 Image

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### Overview

Quantity:	400 µL
Target:	TSC1
Binding Specificity:	pSer312
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 S312 of mouse TSC1.
Clone:	RB41229
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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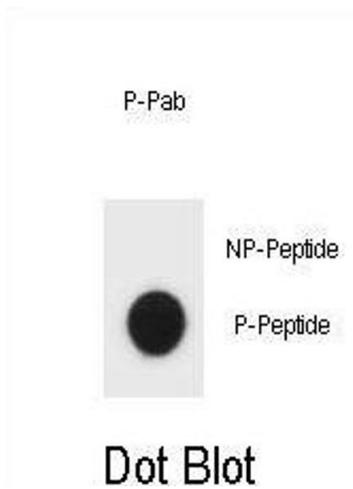
Application Notes:	DB: 1:500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Publications

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Product cited in:	Wendeler, Pabst, Wang, Strouse, Wang, Hunter: "Process-scale purification and analytical characterization of highly gamma-carboxylated recombinant human prothrombin." in: <b>Journal of chromatography. A</b> , Vol. 1325, pp. 171-8, (2014) ( <a href="#">PubMed</a> ).
	Yang, Ko, Yang, Kim, Seo, Park, Choi, Seong, Kweon: "Interleukin-1 promotes coagulation, which is necessary for protective immunity in the lung against Streptococcus pneumoniae infection." in: <b>The Journal of infectious diseases</b> , Vol. 207, Issue 1, pp. 50-60, (2012) ( <a href="#">PubMed</a> ).

Lim, Joy, Hill, San Brian Chia: "Novel agmatine and agmatine-like peptidomimetic inhibitors of the West Nile virus NS2B/NS3 serine protease." in: **European journal of medicinal chemistry**, Vol. 46, Issue 7, pp. 3130-4, (2011) ([PubMed](#)).



#### Dot Blot

**Image 1.** Dot blot analysis of mouse TSC1 Antibody (Phospho ) Phospho-specific Pab (ABIN1881912 and ABIN2839923) 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.