Datasheet for ABIN1881913

# anti-TSC1 antibody (pSer321)

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## Overview

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|---|---|
| Quantity: | 400 µL |
| Target: | TSC1 |
| Binding Specificity: | pSer321 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TSC1 antibody is un-conjugated |
| Application: | Dot Blot (DB) |

## Product Details

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|---|---|
| Immunogen: | This mouse TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S321 of mouse TSC1. |
| Clone: | RB41232 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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|---|---|
| Target: | TSC1 |
| Alternative Name: | TSC1 (TSC1 Products) |

## 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: | NP_075025 |
| UniProt: | Q9EP53 |
| Pathways: | RTK Signaling, AMPK Signaling, Regulation of Cell Size, Tube Formation |

## Application Details

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

## Handling

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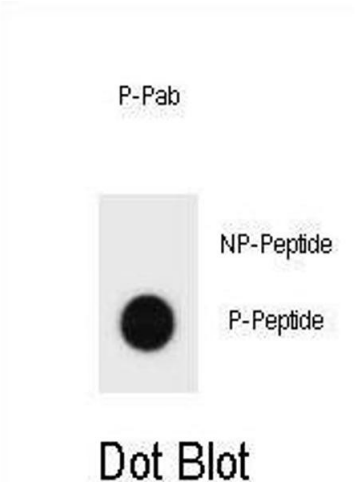
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |

## Publications

| | |
|---|---|
| Product cited in: | Guzel, Yazici, Pek, Doganay, Simsek, Saglam, Turan, Yazici: "Atrial natriuretic peptide and posterior pituitary neurohormone changes in patients with acute schizophrenia." in: **Neuropsychiatric disease and treatment**, Vol. 14, pp. 1855-1860, (2018) (PubMed).<br><br>Yuksel, Ital, Balaban, Kocak, Seven, Kucur, Erbakirci, Keskin: "Immediate breastfeeding and skin-to-skin contact during cesarean section decreases maternal oxidative stress, a prospective randomized case-controlled study." in: **The journal of maternal-fetal & neonatal medicine**, Vol. 29, Issue 16, pp. 2691-6, (2017) (PubMed). |

## Publications

## Images




**Dot Blot**

**Image 1.** Dot blot analysis of mouse TSC1 Antibody (Phospho ) Phospho-specific Pab (ABIN1881913 and ABIN2839924) 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.