

Datasheet for ABIN1881906

anti-TSC1 antibody (pSer1141)[Go to Product page](#)**1** Image**4** Publications

Overview

Quantity:	400 µL
Target:	TSC1
Binding Specificity:	pSer1141
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSC1 antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This rat TSC1 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding S1141 of rat TSC1.
Clone:	RB41265
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 (TSC1 Products)
Background:	In complex with TSC2, inhibits the nutrient-mediated or growth factor-stimulated

Target Details

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: 129022

NCBI Accession: [NP_068626](#)

UniProt: [Q9Z136](#)

Pathways: [RTK Signaling](#), [AMPK Signaling](#), [Regulation of Cell Size](#), [Tube Formation](#)

Application Details

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

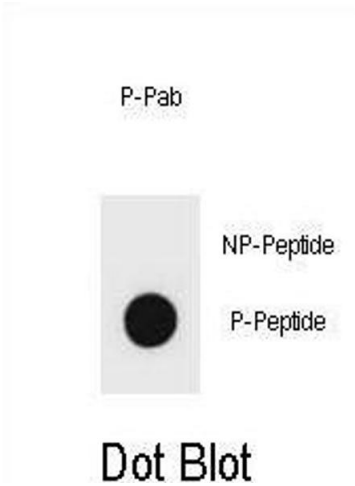
Publications

Product cited in: Carrascal, Ovelleiro, Casas, Gay, Abian: "Phosphorylation analysis of primary human T lymphocytes using sequential IMAC and titanium oxide enrichment." in: **Journal of proteome research**, Vol. 7, Issue 12, pp. 5167-76, (2009) ([PubMed](#)).

Koulich, Li, DeMartino: "Relative structural and functional roles of multiple deubiquitylating proteins associated with mammalian 26S proteasome." in: **Molecular biology of the cell**, Vol. 19, Issue 3, pp. 1072-82, (2008) ([PubMed](#)).

Reuter, Medhurst, Waisfisz, Zhi, Herterich, Hoehn, Gross, Joenje, Hoatlin, Mathew, Huber: "Yeast

two-hybrid screens imply involvement of Fanconi anemia proteins in transcription regulation, cell signaling, oxidative metabolism, and cellular transport." in: **Experimental cell research**, Vol. 289, Issue 2, pp. 211-21, (2003) ([PubMed](#)).



Dot Blot

Image 1. Dot blot analysis of rat TSC1 Antibody (Phospho) Phospho-specific Pab (ABIN1881906 and ABIN2839940) 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.