Datasheet for ABIN1881935

anti-Tuberin antibody (pThr1373)

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Overview

Quantity:	400 µL
Target:	Tuberin (TSC2)
Binding Specificity:	pThr1373
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	Dot Blot (DB)

Product Details

Immunogen:	This rat TSC2 Antibody is generated from rabbits immunized with a KLH conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding T1373 of rat TSC2.
Clone:	RB41276
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Tuberin (TSC2)
Alternative Name:	TSC2 (TSC2 Products)
Background:	Acts as a tumor suppressor, may play a role in cell cycle regulation, acute phase response, and

Target Details

	negative regulation of cell proliferation [RGD].
Molecular Weight:	201278
NCBI Accession:	NP_036812
UniProt:	P49816
Pathways:	RTK Signaling, AMPK Signaling, Fc-epsilon Receptor Signaling Pathway, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Regulation of Cell Size, Tube Formation, Protein targeting to Nucleus

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

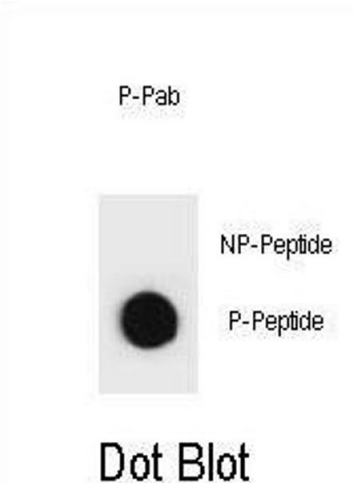
Publications

Product cited in:	Larson, Liu, Stevens, Li, Li, Evers, Gao: "Tuberous sclerosis complex 2 (TSC2) regulates cell migration and polarity through activation of CDC42 and RAC1." in: **The Journal of biological chemistry**, Vol. 285, Issue 32, pp. 24987-98, (2010) (PubMed). Di Nardo, Kramvis, Cho, Sadowski, Meikle, Kwiatkowski, Sahin: "Tuberous sclerosis complex activity is required to control neuronal stress responses in an mTOR-dependent manner." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 29, Issue 18, pp. 5926-37, (2009) (PubMed).

Publications

Shiono, Kobayashi, Takahashi, Sun, Abe, Zhang, Wang, Piao, Takagi, Mineki, Taka, Tada, Sonobe, Momose, Ueda, Hino: "The G1556S-type tuberin variant suppresses tumor formation in tuberous sclerosis 2 mutant (Eker) rats despite its deficiency in mTOR inhibition." in: **Oncogene**, Vol. 27, Issue 52, pp. 6690-7, (2008) (PubMed).

Images



Dot Blot

Image 1. Dot blot analysis of rat TSC2 Antibody (Phospho) Phospho-specific Pab (ABIN1881935 and ABIN2839944) 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.