

Datasheet for ABIN7173644

anti-Tuberin antibody (AA 1396-1496) (Biotin)



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Overview

Quantity:	100 µg
Target:	Tuberin (TSC2)
Binding Specificity:	AA 1396-1496
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Tuberin protein (1396-1496AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Tuberin (TSC2)
Alternative Name:	TSC2 (TSC2 Products)
Background:	Background: In complex with TSC1, this tumor suppressor inhibits the nutrient-mediated or growth factor-stimulated phosphorylation of S6K1 and EIF4EBP1 by negatively regulating

Target Details

mTORC1 signaling. Acts as a GTPase-activating protein (GAP) for the small GTPase RHEB, a direct activator of the protein kinase activity of mTORC1. May also play a role in microtubule-mediated protein transport. Also stimulates the intrinsic GTPase activity of the Ras-related proteins RAP1A and RAB5.

Aliases: FLJ43106 antibody, LAM antibody, OTTHUMP00000158940 antibody, OTTHUMP00000198394 antibody, OTTHUMP00000198395 antibody, PPP1R160 antibody, Protein phosphatase 1, regulatory subunit 160 antibody, TSC complex subunit 2 antibody, tsc2 antibody, TSC2_HUMAN antibody, TSC4 antibody, TSC4 gene, formerly antibody, TSC4, formerly antibody, Tuberin antibody, Tuberous sclerosis 2 antibody, Tuberous sclerosis 2 protein antibody, Tuberous sclerosis 2 protein homolog antibody

UniProt:	P49815
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:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.