

Datasheet for ABIN746408
anti-Tuberin antibody (pTyr1571)



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Overview

Quantity:	100 µL
Target:	Tuberin (TSC2)
Binding Specificity:	pTyr1571
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin- embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Tuberin around the phosphorylation site of Thr1571
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Pig,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	Tuberin (TSC2)
Alternative Name:	Tuberin/TSC2 (TSC2 Products)

Target Details

Background:	Synonyms: Tuberinphospho Y1571, Tuberin phospho Tyr1571, p-Tuberin Tyr1571, FLJ43106, LAM, OTTHUMP00000158940, OTTHUMP00000198394, OTTHUMP00000198395, TSC2, TSC2_HUMAN, TSC4, Tuberin, Tuberous sclerosis 2, Tuberous sclerosis 2 protein, Tuberous sclerosis 2 protein homolog. Background: Tuberin, or TSC2 (Tuberous sclerosis complex), is implicated as a tumor suppressor. It may function in vesicular transport, and may also play a role in the regulation of cell growth arrest and in the regulation of transcription mediated by steroid receptors. Interaction between hamartin (TSC1) and tuberin may facilitate vesicular docking. It specifically stimulates the intrinsic GTPase activity of the Ras related protein RAP1A and RAB5, suggesting a possible mechanism for its role in regulating cellular growth. Mutations in tuberin lead to constitutive activation of RAP1A in tumors. At least three isoforms of Tuberin exist.
Gene ID:	7249
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:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months