

Datasheet for ABIN746380

anti-Tuberin antibody (pSer1387) (Biotin)



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Overview

Quantity:	100 µL
Target:	Tuberin (TSC2)
Binding Specificity:	pSer1387
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Tuberin antibody is conjugated to Biotin
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Tuberin around the phosphorylation site of Ser1387
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 Products)
Background:	Synonyms: Tuberinphospho S1387, Tuberin phospho Ser1387, p-Tuberin Ser1387, TSC2

Target Details

Ser1387, P-TSC2 Ser1387,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
IHC-F 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months