

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### p-Tuberin/ Tsc2 (T1462) Peptide

Cat No.: BS5046P

#### 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.

#### Swiss-Prot

P49815

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS5046 p-Tuberin/ Tsc2 (T1462) pAb.

#### Purification & Purity

Synthetic peptide p-Tuberin/ Tsc2 (T1462). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

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