

Tuberin (F933) polyclonal antibody

Catalog: BCP01684

Host: Rabbit

Reactivity: Human,Mouse,Rat

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 RAPIA and RAB5, suggesting a possible mechanism for its role in regulating cellular growth. Mutations in tuberin lead to constitutive activation of RAPIA in tumors. At least three isoforms of Tuberin exist.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 200 kDa

Swiss-Prot:

P49815

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

IF: 1:50~1:200

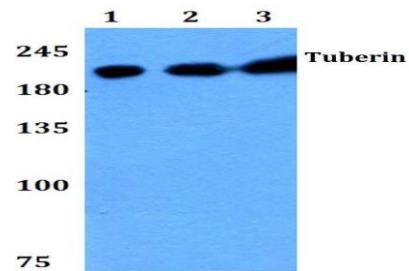
Storage&Stability:

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

Specificity:

Tuberin/TSC2 (F933) polyclonal antibody detects endogenous levels of Tuberin/TSC2 protein.

DATA:



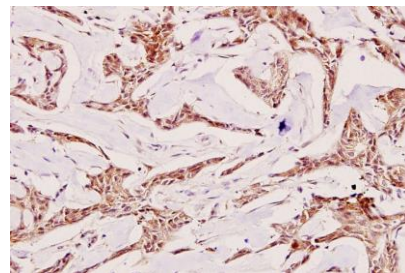
Western blot (WB) analysis of Tuberin (F933) polyclonal antibody at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:MEF whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)

Lane4:L02 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of Tuberin (F933) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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