

TSC2 (phospho-T1462) polyclonal antibody

Catalog: BS64040

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Tuberous sclerosis (TSC) is a human genetic disorder characterized by mental retardation and the widespread development of benign and infrequently malignant tumors in a variety of tissues. Two different genetic loci have been linked to TSC; one of these loci, the tuberous sclerosis-2 gene (TSC2), encodes a protein 1784 amino acids in length, called tuberin. Tuberin exhibits a region of limited homology to the catalytic domain of Rap1 GAP. Subcellular fractionation studies have shown tuberin to be predominantly localized in membrane fractions. Tuberin is capable of stimulating the intrinsic GTPase activity of Rap 1A, but not Rap 2, H-Ras, Rac or Rho. TSC2 maps to human chromosome 16 and is associated with several intragenic mutations in affected patients. The mouse homolog of the tuberin gene maps to chromosome 17.

Product:

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

Molecular Weight:

~ 180 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

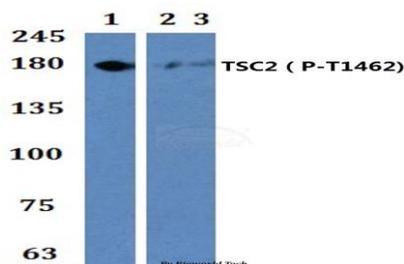
Storage&Stability:

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

Specificity:

TSC2 (phospho-T1462) polyclonal antibody detects endogenous levels of TSC2 protein only when phosphorylated at Thr1462.

DATA:



Western blot (WB) analysis of p-TSC2 (T1462) polyclonal antibody at 1:500 dilution

Lane1: HEK293T cell lysate + Insulin (30ng/ml, 5min)

Lane2: H9C2 cell lysate + EGF (20ng/ml, 30min)

Lane3: Raw264.7 cell lysate + EGF (20ng/ml, 30min)

Note:

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

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