

TGF β RII (phospho-S225/250) polyclonal antibody

Catalog: BS64035

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

A total of three members of the TGF β family, TGF β 1, TGF β 2 and TGF β 3, have been identified in mammals. Each is synthesized as a latent precursor that is subsequently cleaved forming the 112 amino acid growth factor which becomes active upon dimerization. TGF β s mediate their activity by high affinity binding to the type II receptor (TGF β RII) transmembrane protein with a cytoplasmic serine-threonine kinase domain. TGF β RII (TGF- β receptor type-2), also known as TGFBR2, is a 567 amino acid single-pass type I membrane protein that contains one protein kinase domain and is a member of the protein kinase superfamily, TKL Ser/Thr protein kinase family and TGF β receptor subfamily. For signaling growth inhibition and early gene responses,

TGF β RII requires both its kinase activity and association with a TGF β -

binding protein, designated the type I receptor. TGF β RII exists as two

alternatively spliced isoforms that are encoded by a gene that maps to

human chromosome 3.

Product:

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

Molecular Weight:

~ 65 kDa

Swiss-Prot:

P37173

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific im-

munogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

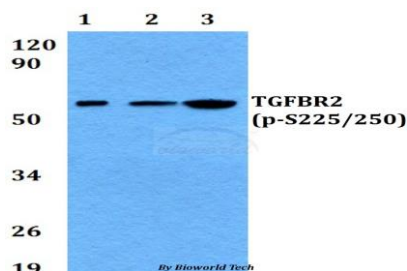
Storage&Stability:

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

Specificity:

p-TGFBR2 (S225/250) polyclonal antibody detects endogenous levels of human and rat TGFBR2 protein only when phosphorylated at Ser225. This antibody also recognizes mouse TGFBR2 protein only when phosphorylated at Ser250.

DATA:



Western blot (WB) analysis of p-TGFBR2 (S225/250) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with EGF(0.1ng/ml,30mins)

Lane2:Raw264.7 cell lysate treated with EGF(0.1ng/ml,30mins)

Lane3:H9C2 cell lysate treated with EGF(0.1ng/ml,30mins)

Note:

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

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