TGFβ RII (E246) polyclonal antibody

Catalog: BCP01635 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

Transforming growth factor-β (TGF-β) superfamily members are critical regulators of cell proliferation and differentiation, developmental patterning and morphogenesis, and disease pathogenesis. TGF-β elicits signaling through three cell surface receptors: type I (RI), type II (RII), and type III (RIII). Type I and type II receptors are serine/threonine kinases that form a heteromeric complex. In response to ligand binding, the type II receptors form a stable complex with the type I receptors allowing phosphorylation and activation of type I receptor kinases. The type III receptor, also known as betaglycan, is a transmembrane proteoglycan with a large extracellular domain that binds TGF-β with high affinity but lacks a cytoplasmic signaling domain. Expression of the type III receptor can regulate TGF-β signaling through presentation of the ligand to the signaling complex. The only known direct TGF-β signaling effectors are the Smad family proteins, which transduce signals from the cell surface directly to the nucleus to regulate target gene transcription.

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

Applications:

WB: 1:1000~1:2000

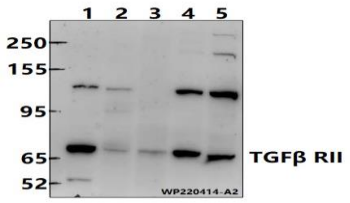
Storage&Stability:

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

Specificity:

TGFβ RII (E246) polyclonal antibody detects endogenous levels of TGFβ RII protein.

DATA:



Western blot (WB) analysis of TGFβ RII (Ser428) polyclonal antibody at 1:1000 dilution

Lane1:BV2 whole cell lysate(40ug)

Lane2:PC12 whole cell lysate(50ug)

Lane3:PC3 whole cell lysate(60ug)

Lane4:HEPG2 whole cell lysate(50ug)

Lane5:A549 whole cell lysate(60ug)

Note:

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

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