

## CD210 polyclonal antibody

Catalog: BCP00413

Host: Rabbit

Reactivity: Human,Rat

**BackGround:**

Cell surface receptor for the cytokine IL10 that participates in IL10-mediated anti-inflammatory functions, limiting excessive tissue disruption caused by inflammation. Upon binding to IL10, induces a conformational change in IL10RB, allowing IL10RB to bind IL10 as well. In turn, the heterotetrameric assembly complex, composed of two subunits of IL10RA and IL10RB, activates the kinases JAK1 and TYK2 that are constitutively associated with IL10RA and IL10RB respectively. These kinases then phosphorylate specific tyrosine residues in the intracellular domain in IL10RA leading to the recruitment and subsequent phosphorylation of STAT3. Once phosphorylated, STAT3 homodimerizes, translocates to the nucleus and activates the expression of anti-inflammatory genes. In addition, IL10RA-mediated activation of STAT3 inhibits starvation-induced autophagy.

**Product:**

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

**Molecular Weight:**

~ 80 kDa

**Swiss-Prot:**

Q13651

**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

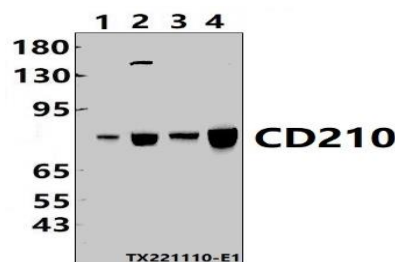
IP 1:50 - 1:200

**Storage&Stability:**

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

**Specificity:**

CD210 polyclonal antibody detects endogenous levels of CD210 protein.

**DATA:**

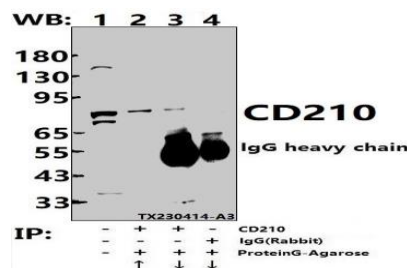
Western blot (WB) analysis of CD210 polyclonal antibody at 1:1000 dilution

Lane1:L02 whole cell lysate(30ug)

Lane2:A549 whole cell lysate(30ug)

Lane3:LOVO cell membrane lysate(24ug)

Lane4:PC12 whole cell lysate(30ug)



Immunoprecipitation of MCF-7 cell lysates using CD210 pAb (Sepharose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using CD210 pAb.

**Note:**

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