

IL-10R α (phospho-Y496) polyclonal antibody

Catalog: BS4592

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The IL-10 receptor, IL-10R, is a member of the class II subgroup of the cytokine receptor family and exhibits structural similarity to the interferon receptor. IL-10R is expressed in B cells and T helper cells, as well as in LPS-induced mouse fibroblasts. Overall, mouse IL-10R and human IL-10R share 60% sequence identity at the protein level. Stimulation with IL-10 leads to phosphorylation of JAK1 and Tyk 2 tyrosine kinases. The activated kinases phosphorylate the two tyrosine residues (Tyr 446 and Tyr 496) in the cytoplasmic domain of IL-10R α . The phosphorylation of these two residues are required for proper function of IL-10R and activation of IL-10E1 signaling. IL-10R β is ubiquitously expressed and, in addition to forming the IL-10 heterodimeric receptor, it forms a heterodimeric receptor with an IL-22R subunit and an IL-28R subunit. IL-10R is constitutively expressed on human natural killer (NK) cells and the direct binding of IL-10 potentiates cytokine production by human NK cells.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 70 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: 1:500~1:1000

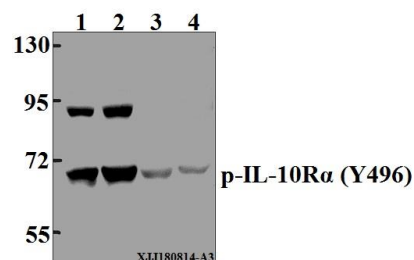
Storage&Stability:

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

Specificity:

p-IL-10R α (Y496) pAb detects endogenous levels of IL-10R α protein only when phosphorylated at Tyr496.

DATA:



Western blot (WB) analysis of p-IL-10R α (Y496) pAb at 1:500 dilution

Lane1:Myla2059 whole cell lysate(40 μ g)

Lane2:K562 whole cell lysate(40 μ g)

Lane3:RAW264.7 whole cell lysate(40 μ g)

Lane4:C6 whole cell lysate(40 μ g)

Note:

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

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