

## IL-4R $\alpha$ (S254) polyclonal antibody

Catalog: BS3442

Host: Rabbit

Reactivity: Human

### Background:

IL4 Receptor alpha (IL4RA) is the alpha chain of the interleukin 4 receptor which binds to both interleukin 4 and interleukin 13 to regulate IgE production, chemokine and mucus production at sites of allergic inflammation. The IL4 response is involved in promoting Th2 differentiation. The secreted extracellular domain of IL4R alpha, called sIL4R alpha, can inhibit IL4-mediated cell proliferation and IL5 upregulation by T-cells. It has no signaling abilities. Allelic variations in the IL4RA gene have been associated with atopy, a condition that can manifest itself as allergic rhinitis, sinusitis, asthma, or eczema.

### Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

### Molecular Weight:

~ 88 kDa

### Swiss-Prot:

P24394

### 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

IHC: 1:50~1:200

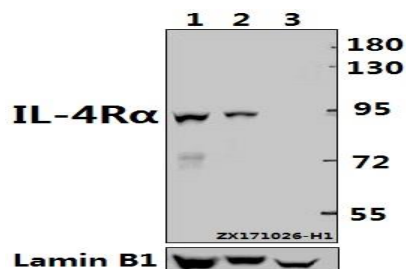
### Storage&Stability:

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

### Specificity:

IL-4R $\alpha$  (S254) polyclonal antibody detects endogenous levels of IL-4R $\alpha$  protein.

### DATA:

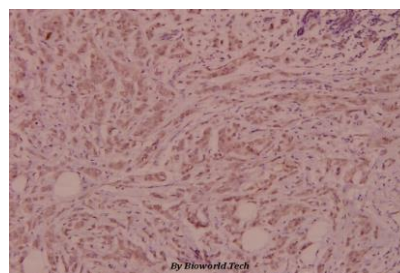


Western blot (WB) analysis of IL-4R $\alpha$  (S254) pAb at 1:500 dilution

Lane1:K562 whole cell lysate(40ug)

Lane2:HCC827 whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of IL-4R $\alpha$  (S254) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

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

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