

## IL-5R $\alpha$ (K68) polyclonal antibody

Catalog: BS3560

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Interleukin 5 (IL-5) is a soluble T cell-derived factor, also known as T cellreplacing factor (TRF), that induces B cell and eosinophil growth and differentiation. IL-5 exerts its biological activity through the IL-5 receptor (IL-5R), which is composed of two chains: an  $\alpha$  chain that binds IL-5 with low affinity and a  $\beta$  chain that does not bind IL-5, but together with the IL-5  $\alpha$  chain, constitutes the high affinity IL-5 receptor. The cytoplasmic domain of both the  $\alpha$  and  $\beta$  chains is essential for signal transduction. Specifically, the membrane-proximal proline-rich sequence of the cytoplasmic domain of the IL-5R receptor  $\alpha$  subunit, IL-5R $\alpha$ , is critical for the IL-5 induced proliferative response, expression of nuclear proto-oncogenes and tyrosine phosphorylation of cellular proteins, such as JAK1 and JAK2.

### Product:

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

### Molecular Weight:

~ 48 kDa

### Swiss-Prot:

Q01344

### 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:

IHC: 1:50~1:200

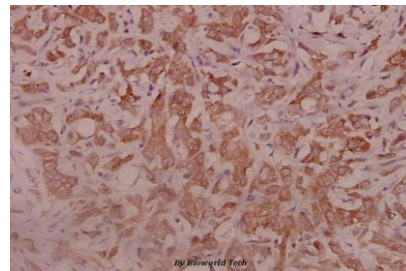
### Storage&Stability:

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

### Specificity:

IL-5R $\alpha$  (K68) polyclonal antibody detects endogenous levels of IL-5R $\alpha$  protein.

### DATA:



Immunohistochemistry (IHC) analyzes of IL-5R $\alpha$  (K68) 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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