

IL7R α polyclonal antibody

Catalog: BS90708

Host: Rabbit

Reactivity: Human, Zebrafish

BackGround:

Interleukin 7 (IL-7) was originally described as a factor capable of inducing in vitro proliferation of pre-B cells from marrow cultures. The IL-7 gene encodes a protein 177 amino acids in length. IL-7 exerts its biological function through the IL-7 receptor which is expressed on pre-B cells, thymocytes and bone marrow-derived macrophages. The IL-7 receptor is composed of an IL-7 receptor-specific chain and the IL-2 receptor γ chain common to the IL-2, IL-4, IL-7, IL-9 and IL-15 receptors. IL-7 stimulation leads to the activation of Janus tyrosine kinase family members JAK1 and JAK3. Other studies have shown that in T cells, the IL-7 receptor-specific chain associates with the Src kinases family Lck and Fyn. IL-7 induces phosphorylation of insulin receptor substrate-1 (IRS-1) and insulin receptor substrate-2 (IRS-2), originally called 4PS.

Product:

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

Molecular Weight:

52 kDa

Swiss-Prot:

P16871(Human) E9QDP8(Zebrafish)

Purification&Purity:

Protein affinity purified.

Applications:

WB:1:500-1:1,000

IHC:1:50-1:200

FC:1:50-1:100

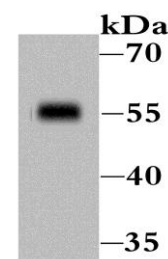
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

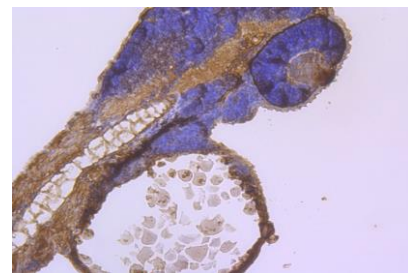
Specificity:

IL7R α polyclonal antibody detects endogenous levels of IL7R α protein.

DATA:



Western blot analysis of IL-7R-alpha on zebrafish tissue lysate using anti-IL-7R-alpha antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded zebrafish tissue using anti-IL-7R-alpha antibody. Counter stained with hematoxylin.

Note:

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

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