

IL3 polyclonal antibody

Catalog: BS60516

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Interleukin-3, or IL-3, is a pleiotropic cytokine that is primarily secreted by activated T lymphocytes and stimulates the proliferation and differentiation of hematopoietic cells. IL-3 not only supports growth of both pluripotent stem cells and the more differentiated committed progenitors, but it also stimulates the functional activity of some fully differentiated cells. IL-3 has also been shown to protect mast cells from undergoing apoptosis. IL-3 exerts its biological effects through a receptor which consists of a ligand-specific α subunit and a signal transducing β subunit common to the IL-3/IL-5/GM-CSF receptors. The carboxy terminus of the β subunit has been shown to be necessary for activation of the MAP kinase signaling pathway. Although the IL-3 receptor has no intrinsic kinase activity, stimulation with IL-3 leads to tyrosine phosphorylation of the JAK/Tyk 2 family member, JAK2, which in turn activates and causes nuclear translocation of Stat5a and Stat5b.

Product:

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

Molecular Weight:

~ 17 kDa

Swiss-Prot:

P08700

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:

WB: 1:500~1:1000

IHC: 1:50~1:201

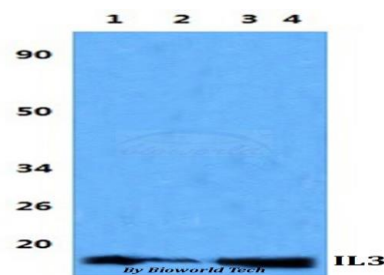
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -21 °C long term. Avoid freeze-thaw cycles.

Specificity:

IL3 polyclonal antibody detects endogenous levels of IL3 protein.

DATA:



Western blot (WB) analysis of IL3 polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate

Lane2:Jurkat whole cell lysate

Lane3:PC12 whole cell lysate

Lane4:Raw264.7 whole cell lysate

Note:

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

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