

IL3RA polyclonal antibody

Catalog: BS60620-B

Host: Rabbit

Reactivity: Human,Rat

BackGround:

IL3RA/CD123 is the alpha subunit of an IL-3 receptor that also contains the common beta chain (β c) shared with receptors for other cytokines. IL3RA/CD123 alone binds to IL-3 with high specificity but low affinity and it does not transduce intracellular signaling, while β c alone does not bind to IL-3 appreciably. Together, IL3RA/CD123 and β c form the functional high-affinity receptor for IL-3. IL3RA/CD123 is mainly expressed on the hematopoietic progenitor cells, primarily the granulocytic and monocytic lineages. IL3RA/CD123 is highly expressed on leukemic stem cells in the majority of AML (acute myeloid leukemia) patients and is correlated with poor prognosis. In addition, overexpression of IL3RA/CD123 has also been reported for other hematopoietic malignancies. It is considered as a valuable therapeutic target for these malignancies.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 70 kDa

Swiss-Prot:

P26951

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: 1:3000~1:5000

IHC: 1:50~1:100

Storage&Stability:

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

Specificity:

IL3RA polyclonal antibody detects endogenous levels of IL3RA protein.

DATA:



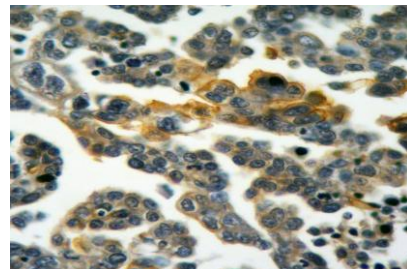
Western blot (WB) analysis of IL3RA polyclonal antibody at 1:5000 dilution

Lane1:H9C2 whole cell lysate(40ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:U-87MG whole cell lysate(40ug)

Lane4:A549 whole cell lysate(40ug)



Immunohistochemistry of paraffin-embedded Human breast cancer tissue using IL3RA antibody at dilution of 1:20 (x40 lens).

Note:

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

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