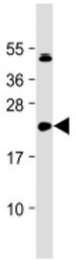
IL-11 Antibody (N-Terminal Region) (F54094)

Catalog No.	Formulation	Size
F54094-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54094-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P20809
Applications	WB: 1:2000
Limitations	This IL-11 antibody is available for research use only.



Western blot testing of IL-11 antibody at 1:2000 + human DU145 cell lysate. Predicted molecular weight: 19-23 kDa.

Description

Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed: 2145578). Also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation (PubMed:12919066). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3. [UniProt]

Application Notes

The stated application concentrations are suggested starting points. Titration of the IL-11 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 27-61 from human IL-11 was used as the immunogen for the IL-11 antibody.

Storage

Aliquot the IL-11 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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