

Anti-IL11 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18251**Specification**

Anti-IL11 Antibody - Product Information

Application	WB, IHC-P, ICC, E
Primary Accession	P20809
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21429

Anti-IL11 Antibody - Additional Information**Gene ID** 3589**Alias Symbol** **IL11****Other Names**

IL11, AGIF, Adipogenesis inhibitory factor, IL-11, Interleukin-11, Oprelvekin, Interleukin 11

Target/Specificity

IL-11 antibody is human specific. At least two isoforms of IL-11 are known to exist; this antibody will only detect the longest isoform of IL-11.

Reconstitution & Storage

Immunoaffinity purified

Precautions

Anti-IL11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-IL11 Antibody - Protein Information**Name** IL11 ([HGNC:5966](#))**Function**

Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed:<[a href="http://www.uniprot.org/citations/2145578" target="_blank">2145578](http://www.uniprot.org/citations/2145578)). Also promotes the proliferation of hepatocytes in response to liver damage. Binding to its receptor formed by IL6ST and IL11RA activates a signaling cascade that promotes cell proliferation (PubMed:<[a href="http://www.uniprot.org/citations/12919066" target="_blank">12919066](http://www.uniprot.org/citations/12919066)). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3. The interaction with the membrane-bound IL11RA and IL6ST stimulates 'classic signaling', whereas the binding of IL11 and soluble IL11RA to IL6ST stimulates 'trans-signaling' (PubMed:<[a href="http://www.uniprot.org/citations/30279168" target="_blank">30279168](http://www.uniprot.org/citations/30279168)).

Cellular Location
Secreted

Anti-IL11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-IL11 Antibody - Images