10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-IL11 Antibody

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18251

Product Information

Application	WB, IHC-P, ICC, E
Primary Accession	P20809
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	21429
Concentration (mg/ml)	1 mg/ml

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.

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: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: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:30279168).
Cellular Location	Secreted

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.