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Polyclonal Antibody to Interleukin 11 (IL11)

Interleukin 11
Catalog # AP74535

Product Information

Application	WB
Primary Accession	P47873
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21522

Additional Information

Gene ID	16156
Other Names	AGIF; Adipogenesis Inhibitory Factor; Oprelvekin
Target/Specificity	Mus musculus (Mouse)
Dilution	WB~~Western blotting: 0.5-2 □g/mL;1:500-2000 Immunohistochemistry: 5-20 □g/mL;1:50-200 Immunocytochemistry: 5-20 □g/mL;1:50-200 Optimal working dilutions must be determined by end user.
Format	PBS, pH7.4, containing 0.02% NaN3, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	Il11 {ECO:0000312|MGI:MGI:107613}
Function	Cytokine that stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (PubMed:8913282). Also promotes the proliferation of hepatocytes in response to liver damage (PubMed:22253262). Binding to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 activates a signaling cascade that promotes cell proliferation, also in the context of various cancers (PubMed:10026196, PubMed:23948300). Signaling leads to the activation of intracellular protein kinases and the phosphorylation of STAT3 (PubMed:22253262, PubMed:23948300). 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' (By similarity).
Cellular Location	Secreted.

Images

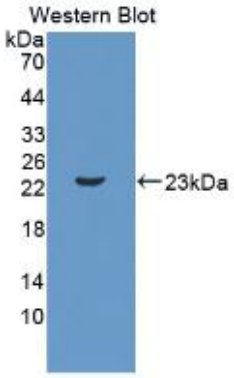


Figure.Western Blot ;Sample: Recombinant IL11, Mouse.

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