

Rabbit anti-Human IL-11 Polyclonal Antibody | anti-IL-11 antibody

IL-11 Antibody

CATALOG # AAA40831	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunocytochemistry, Western Blot, ELISA
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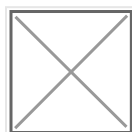
PRODUCT SYNONYMS

IL-11; Polyclonal Antibody; IL-11 Antibody; Interleukin-11; Adipogenesis inhibitory factor; AGIF; anti-IL-11 antibody

PRODUCT SPECIFICATIONS

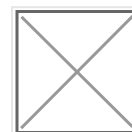
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	IL-11 antibody is human specific. At least two isoforms of IL-11 are known to exist; this antibody will only detect the longest isoform of IL-11.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	199
Applicable Applications for anti-IL-11 antibody	ICC (Immunocytochemistry), WB (Western Blot), ELISA
Immunogen	IL-11 antibody was raised against a 16 amino acid peptide from near the amino terminus of human IL-11.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	HeLa Cell Lysate
Conjugate	Unconjugated
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

IMAGES



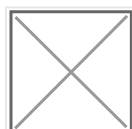
IF (Immunofluorescence)

Immunofluorescence of IL-11 in HeLa cells with IL-11 antibody at 20 µg/ml. Red: IL-11 Antibody (8453) Blue: DAPI staining



ICC (Immunocytochemistry)

Immunocytochemistry of IL-11 in HeLa cells with IL-11 antibody at 10 µg/ml.



WB (Western Blot)

Western blot analysis of IL-11 in HeLa Cell lysate with IL-11 antibody at 1 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-IL-11 antibody	Interleukin 11 is a pleiotropic cytokine that has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap those for IL-6 (1). It directly stimulates the proliferation of hematopoietic stem cells and megakaryocyte progenitor cells and induces megakaryocyte maturation resulting in increased platelet production (2). IL-11 promotes the proliferation of hepatocytes in response to liver damage. IL-11 binds to its receptor formed by IL6ST and either IL11RA1 or IL11RA2 (3). Clinically it is used to prevent severe thrombocytopenia and the reduction of the need for platelet transfusion following myelo-suppressive chemotherapy (4).
Product Categories/Family for anti-IL-11 antibody	Stem Cell; Immunology
References	Paul SR, Bennett F, Calvetti JA. Molecular cloning of a cDNA encoding interleukin-11, astromal cell-derived lymphopoietic and hematopoietic cytokine. Proc. Natl. Acad. Sci. USA 1990; 87:7512-6. Yang YC and Yin T. Interleukin (IL)-11 mediated signal transduction. Ann. N.Y. Acad. Sci. 1995; 762:31-40. Dimitriadis E, Robb L, Salamonsen LA. Interleukin 11 advances progesterone-induced decidualization of human endometrial stromal cells. Mol. Hum. Reprod. 2002; 8:636-43. Andersson By U, Tani E, Andersson U. Tumor necrosis factor, interleukin 11, and leukemia inhibitory factor produced by Langerhans cells in Langerhans cell histiocytosis. J. Pediatr. Hematol. Oncol. 2004; 26:706-11.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10834994
NCBI GeneID	3589
NCBI Accession #	NP_000632
NCBI GenBank Nucleotide #	NM_000641.3
UniProt Accession #	P20809; Q96EB4; B4DQV5
Molecular Weight	Predicted: 20 kDa Observed: 19 kDa
NCBI Official Full Name	interleukin-11 isoform 1
NCBI Official Synonym Full Names	interleukin 11
NCBI Official Symbol	IL11
NCBI Official Synonym Symbols	AGIF; IL-11
NCBI Protein Information	interleukin-11
UniProt Protein Name	Interleukin-11
UniProt Gene Name	IL11
UniProt Synonym Gene Names	AGIF
UniProt Entry Name	IL11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/il-11-antibody-immunocytochemistry-western-blot-elisa/40831>