

**Anti-LIF Picoband Antibody**  
Catalog # ABO11759

**Specification**

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**Anti-LIF Picoband Antibody - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P15018</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Leukemia inhibitory factor(LIF) detection. Tested with WB, IHC-P in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-LIF Picoband Antibody - Additional Information**

**Gene ID** 3976

**Other Names**

Leukemia inhibitory factor, LIF, Differentiation-stimulating factor, D factor, Melanoma-derived LPL inhibitor, MLPLI, Emfilermin, LIF, HILDA

**Calculated MW**

22008 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Secreted.

**Protein Name**

Leukemia inhibitory factor

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>N.

**Immunogen**

E.coli-derived human LIF recombinant protein (Position: S23-F202). Human LIF shares 78% and 82% amino acid (aa) sequences identity with mouse and rat LIF, respectively.

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins

### Storage

At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.

### Sequence Similarities

Belongs to the LIF/OSM family.

## Anti-LIF Picoband Antibody - Protein Information

**Name** LIF

**Synonyms** HILDA

### Function

LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.

### Cellular Location

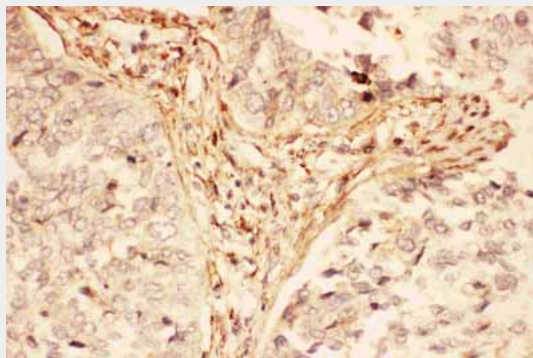
Secreted.

## Anti-LIF Picoband Antibody - Protocols

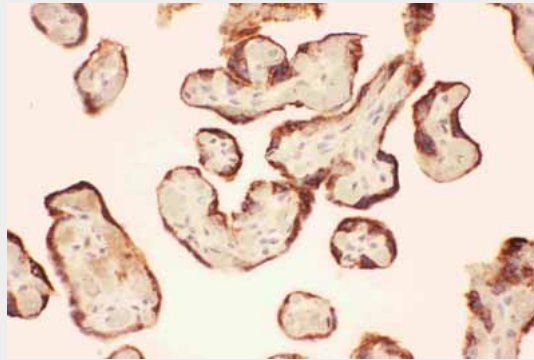
Provided below are standard protocols that you may find useful for product applications.

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

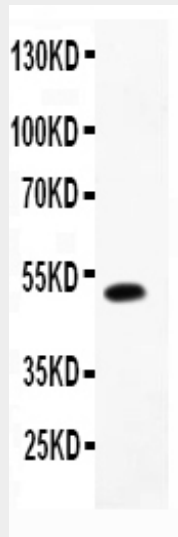
## Anti-LIF Picoband Antibody - Images



Anti-LIF Picoband antibody, ABO11759-1.JPGIHC(P): Human Lung Cancer Tissue



Anti-LIF Picoband antibody, ABO11759-2.JPGIHC(P): Human Placenta Tissue



Anti-LIF Picoband antibody, ABO11759-3.jpg All lanes: Anti-LIF(ABO11759) at 0.5ug/ml WB:  
Recombinant Human LIF Protein 0.5ng Predicted bind size: 50KD Observed bind size: 50KD

#### **Anti-LIF Picoband Antibody - Background**

LIF is a pleiotropic cytokine produced at the maternal-fetal interface which has been shown to play an essential role in implantation in mice. This gene is mapped to 22q11-q12.2, between the Philadelphia translocation BCR gene and the breakpoint of the translocation in cell line GM2324 at 22q12.2. LIF is produced in high amounts by the human endometrium and the trophoblast itself, and LIF receptors are present on cytotrophoblast cells. LIF could, thus, play a role in modulating HLA-G production and immune tolerance at the maternal-fetal interface.