10320 Camino Santa Fe, Suite A
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Anti-LIF Picoband Antibody

Catalog # ABO11759

Specification

Anti-LIF Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P15018
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
Western blot, 0.1-0.5 µg/ml, Human

Subcellular Localization
Secreted.

Protein Name
Leukemia inhibitory factor

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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.

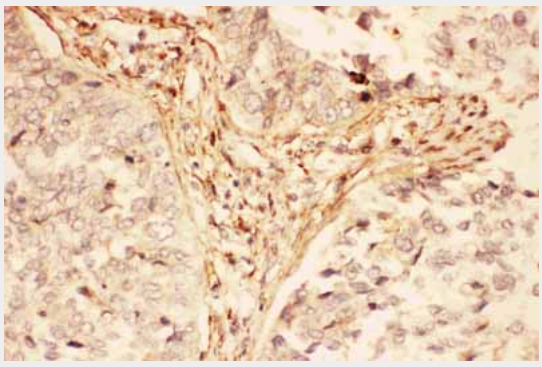
Cellular Location
Secreted.

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 Cytomety
- Cell Culture

Anti-LIF Picoband Antibody - Images



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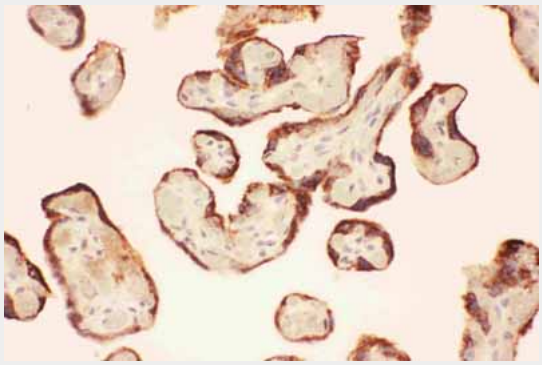
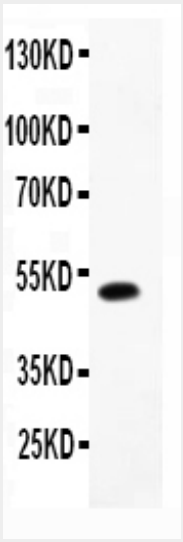
Anti-LIF Picoband antibody, ABO11759-1.JPGIHC(P): Human Lung Cancer Tissue



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



Anti-LIF Picoband antibody, ABO11759-3.jpgAll lanes: Anti-LIF(ABO11759) at 0.5ug/mlWB: Recombinant Human LIF Protein 0.5ngPredicted bind size: 50KDObserved 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.