

LIF Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10873**Specification**

LIF Antibody - Product Information

Application	WB
Primary Accession	P15018
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22008

LIF Antibody - Additional Information**Gene ID** 3976**Application & Usage**

The antibody can be used for Western blot analysis (0.5-1 µg/ml), ELISA (2-3 µg/ml), and neutralization (0.5-1 µg/ml). However, the optimal conditions should be determined individually.

Other Names

LIF; CDF; D-FACTOR; HILDA

Target/Specificity

LIF

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) antigen affinity purified rabbit anti-human LIF polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

LIF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LIF 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

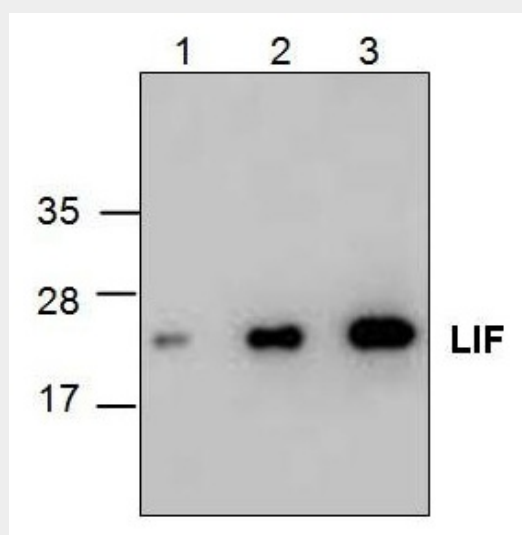
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LIF Antibody - Protocols

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](#)

LIF Antibody - Images



Western blot analysis using recombinant human LIF. Lane 1; 100 ng; Lane 2: 200 ng; Lane 3: 500 ng

LIF Antibody - Background

Leukemia Inhibitory Factor (LIF) is a lymphoid factor that promotes long-term maintenance of

embryonic stem cells by suppressing spontaneous differentiation. LIF has several functions such as cholinergic neuron differentiation, control of stem cell pluripotency, bone & fat metabolism, mitogenesis of factor dependent cell lines & promotion of megakaryocyte production in vivo. Human and mouse LIF exhibit a 78% identity in its amino acid sequence. Human LIF is as active on human cells as is it is on mouse cells, tho μ gh mouse LIF is about 1000 fold less active on human cells, than human LIF.