

Rabbit Anti-LIF antibody

SL1058R

Product Name	LIF
Chinese Name	白血病抑制因子抗体
Alias	Leukemia inhibitory factor; DIA; CDF; Cholinergic Differentiation Factor; D factor; differentiation inhibitory activity; Differentiation stimulating factor; Emfilermin; HILDA; Human interleukin in DA cells; LIF_HUMAN; Melanoma derived LPL inhibitor; Melanoma-derived LPL inhibitor; MLPLI.
Research Area	Tumour Cell biology immunology Neurobiology Growth factors and hormones Cyclin Cell differentiation Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Rabbit) WB=1:500-2000 (Paraffin sections need antigen repair)
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	20kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human LIF: 101-202/202
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	Human,Mouse(predicted:Rat,Dog,Pig,Cow,Rabbit)1M TBS(pH7.4) with 1% BSA, Human,Mouse(predicted:Rat,Dog,Pig,Cow,Rabbit)3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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The leukemia inhibitory factor- LIF is a kind of cell factor that has various living creature functions. It has the leukemia cell of inducement to divide, regulating the growth metabolism of the bone organization, maintaining the basic characteristic of the Embryonic stem cells and promoting the mankind build the blood stem cell to divide to propagate, promote the cholinergic neuron to divide, obstruct the fat cell to synthesize, stimulate the muscle cell growth, regulate the liver cell to expect to respond the egg white to synthesize etc. in the acute the biology activity etc. function.

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.

Subcellular Location:

Secreted.

Similarity:

Belongs to the LIF/OSM family.

Product Detail

SWISS:
P15018

Gene ID:
3976

Database links:

[Entrez Gene: 3976](#) Human

[Entrez Gene: 16878](#) Mouse

[Omim: 159540](#) Human

[SwissProt: P15018](#) Human

[SwissProt: P09056](#) Mouse

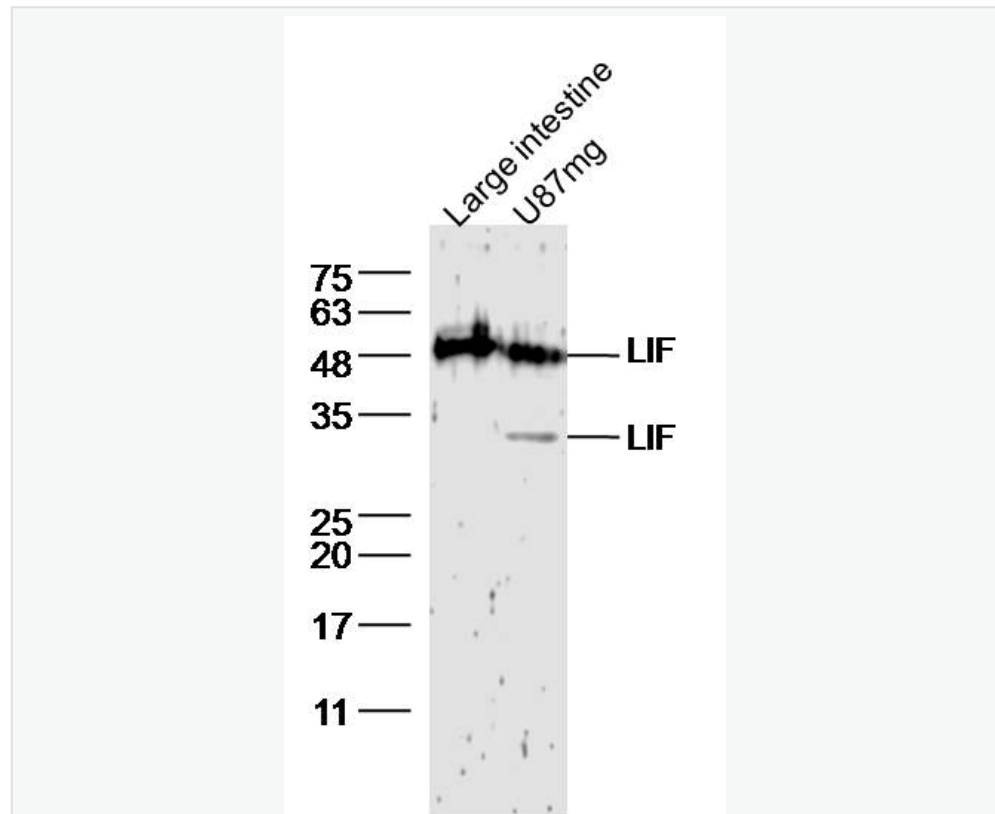
[Unigene: 2250](#) Human

[Unigene: 4964](#) Mouse

Growth factors and hormones (Growth Factor and Hormones)

白血病抑制因子-LIF 是一种具有多种生物功能的 cell factor。它具有诱导白血病 Cell differentiation, 调节骨组织的生长代谢, 维持胚胎 Stem cells (Embryonicstem celles 细胞) 的基本特征、促进人类造血 Stem cells 的分化增殖、促进胆碱能神经元的分化、阻碍脂肪细胞合成、刺激成肌细胞生长、调节肝细胞中急性期反应蛋白的合成等生物学活性等作用。

Product Picture



Sample:

Large intestine(mouse) Lysate at 40 ug

U87mg cell(human) Lysate at 30 ug

Primary: Anti- LIF (SL1058R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 20kD



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Observed band size: 30/50 kD