

Rabbit LIF Polyclonal Antibody | anti-LIF antibody

LIF Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40303	Rabbit	Human, Mouse, Rat	Immunofluorescence, Western Blot, ELISA

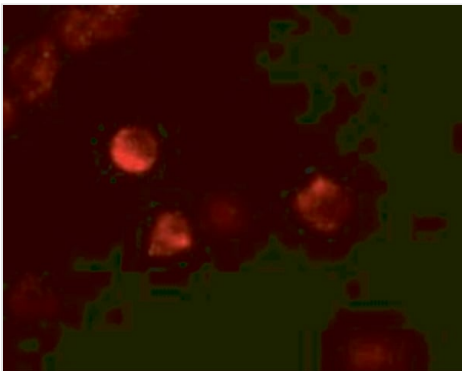
PRODUCT SYNONYMS

LIF; Polyclonal Antibody; LIF Antibody; CDF; DIA; HILDA; MLPLI; Leukemia inhibitory factor; Differentiation-stimulating factor; leukemia inhibitory factor; anti-LIF antibody

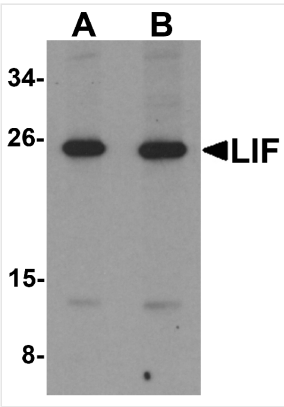
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	At least two isoforms of LIF are known to exist.
Purity/Purification	LIF Antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	202
Applicable Applications for anti-LIF antibody	IF (Immunofluorescence), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	LIF antibody was raised against a 16 amino acid synthetic peptide near the center of human LIF.
Buffer	LIF Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	LIF antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

IMAGES



IF (Immunofluorescence)
Immunofluorescence of LIF in 3T3 cells with LIF antibody at 20 μg/mL.



WB (Western Blot)
Western blot analysis of LIF in 3T3 cell lysate with LIF antibody at (A) 1 and (B) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-LIF antibody	LIF Antibody: LIF is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface. LIF was initially recognized by its ability to induce terminal differentiation of myeloid leukemic cells. It is a member of the IL-6 cytokine superfamily and can be highly glycosylated. LIF signaling is transduced through the LIF-R/gp130 receptor complex, leading to the phosphorylation and activation of the JAK/STAT pathway. Recent evidence shows that LIF inhibits cardiomyogenesis in embryonic stem cells via STAT3 activation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504991
NCBI GeneID	3976
NCBI Accession #	NP_002300
NCBI GenBank Nucleotide #	NM_002309.4
UniProt Accession #	P15018; Q52LZ2; B2RCW7; B5MC23
Molecular Weight	Predicted: 22 kDa Observed: 25 kDa
NCBI Official Full Name	leukemia inhibitory factor isoform 1
NCBI Official Synonym Full Names	leukemia inhibitory factor
NCBI Official Symbol	LIF
NCBI Official Synonym Symbols	CDF; DIA; HILDA; MLPLI
NCBI Protein Information	leukemia inhibitory factor; D factor; human interleukin in DA cells; melanoma-derived LPL inhibitor; differentiation-inducing factor; hepatocyte-stimulating factor III; cholinergic differentiation factor; differentiation-stimulating factor; differentiation inhibitory activity
UniProt Protein Name	Leukemia inhibitory factor
UniProt Gene Name	LIF
UniProt Synonym Gene Names	HILDA; LIF; D factor; MLPLI
UniProt Entry Name	LIF_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://www.aaabiotech.com/polyclonal/lif-antibody-immunofluorescence-western-blot-elisa/40303>