BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Leukemia inhibitory factor LIF Antibody Picoband®

Catalog Number: PA1562

About Lif

LIF is a pleiotropic cytokine produced at the maternal-fetal interface which has been shown to play an essential role in implantation in mice. 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. The gene maps to 22q11-q12.2, between the Philadelphia translocation BCR gene and the breakpoint of the translocation in cell line GM2324 at 22q12.2.

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Overview

Product Name	Anti-Leukemia inhibitory factor LIF Antibody Picoband®
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Leukemia inhibitory factor LIF Antibody catalog # PA1562. Tested in WB applications. This antibody reacts with Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P09056

Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse LIF, identical to the related rat sequence.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Mouse, Rat

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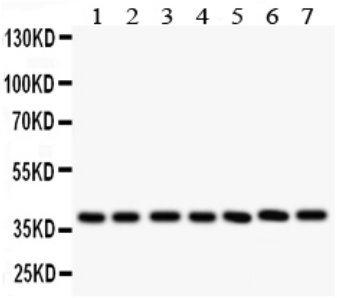
Anti-Leukemia inhibitory factor LIF Antibody Picoband® (PA1562) Images



Anti-LIF antibody, PA1562, Western blottingAll lanes: Anti LIF (PA1562) at 0.5ug/mlLane 1: Rat Intestine Tissue Lysate at 50ugLane 2: Rat Brain Tissue Lysate at 50ugLane 3: Rat Spleen Tissue Lysate at 50ugLane 4: Rat Thymus Tissue Lysate at 50ugLane 5: Mouse Brain Tissue Lysate at 50ugLane 6: Mouse Kidney Tissue Lysate at 50ugLane 7: Mouse Liver Tissue Lysate at 50ugPredicted bind size: 22KDObserved bind size: 40KD

7 Publications Citing This Product

1. PubMed ID: 22229306, Gui J, Xiong F, Yang W, Li J, Huang G. Am J Reprod Immunol. 2012 May;67(5):383-90. Doi: 10.1111/J.1600-0897.2011.01097.X. Epub 2012 Jan 9. Effects Of Acupuncture On Lif And Il-12 In Rats Of Implantation Failure.

2. PubMed ID: 17392578, Hu Cp, Feng Jt, Tang Yl, Zhu Jq, Lin Mj, Yu Me. Mediators Inflamm. 2006;2006(5):84829. Lif Upregulates Expression Of Nk-1R In Nhbe Cells.

3. PubMed ID: 20542625, Li L, Xu Bf, Chen Qj, Sun Xx. Eur J Obstet Gynecol Reprod Biol. 2010 Aug;151(2):171-5. Doi: 10.1016/J.Ejogrb.2010.04.024. Epub 2010 Jun 9. Effects Of Hydrosalpinx On Pinopodes, Leukaemia Inhibitory Factor, Integrin Beta3 And Muc1 Expression In The...

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