

**Anti-LIFR Picoband Antibody**  
**Catalog # ABO12347****Specification**

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**Anti-LIFR Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P42702</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Leukemia inhibitory factor receptor(LIFR) detection. Tested with WB in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-LIFR Picoband Antibody - Additional Information**

**Gene ID** 3977

**Other Names**

Leukemia inhibitory factor receptor, LIF receptor, LIF-R, CD118, LIFR

**Calculated MW**

123743 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Isoform 1: Cell membrane; Single-pass type I membrane protein.

**Protein Name**

Leukemia inhibitory factor receptor

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human LIFR(863-899aa EWIKETFYDPIDNPENCKALQFQKSVCEGSSALKTLE), different from the related mouse and rat sequences by one amino acid.

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

Storage

**At -20°C for one year. After reconstitution, 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.**

### Anti-LIFR Picoband Antibody - Protein Information

**Name** LIFR

#### Function

Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells.

#### Cellular Location

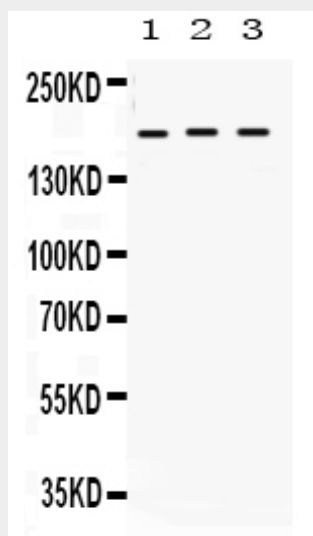
[Isoform 1]: Cell membrane; Single-pass type I membrane protein

### Anti-LIFR 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 Cytometry](#)
- [Cell Culture](#)

### Anti-LIFR Picoband Antibody - Images



Anti- LIFR Picoband antibody, ABO12347, Western blotting All lanes: Anti LIFR (ABO12347) at 0.5ug/ml Lane 1: SW620 Whole Cell Lysate at 40ug Lane 2: COLO320 Whole Cell Lysate at 40ug Lane 3: Anti LIFR (ABO12347) at 0.5ug/ml

40ugLane 3: HEPG2 Whole Cell Lysate at 40ugPredicted bind size: 190KDObserved bind size: 190KD

#### **Anti-LIFR Picoband Antibody - Background**

LIFR also known as CD118 (Cluster of Differentiation 118), is a subunit of a receptor for leukemia inhibitory factor. This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding the same protein have been found for this gene.