

**Anti-LAR Picoband Antibody**  
Catalog # ABO12472**Specification****Anti-LAR Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P10586</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Receptor-type tyrosine-protein phosphatase F(PTPRF) detection. Tested with WB, IHC-P in Human.

**Reconstitution**

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

**Anti-LAR Picoband Antibody - Additional Information**

Gene ID 5792

**Other Names**

Receptor-type tyrosine-protein phosphatase F, 3.1.3.48, Leukocyte common antigen related, LAR, PTPRF, LAR

**Calculated MW**

212879 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat  
<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Membrane; Single-pass type I membrane protein.

**Protein Name**

Receptor-type tyrosine-protein phosphatase F

**Contents**

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

**Immunogen**

A synthetic peptide corresponding to a sequence in the middle region of human LAR (1167-1203aa EQGEEQRRRRRQAERLKPYYAAQLDVLPEFTLGDK), different from the related mouse and rat sequences by four amino acids.

**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-LAR Picoband Antibody - Protein Information

**Name** PTPRF

**Synonyms** LAR

### Function

Possible cell adhesion receptor. It possesses an intrinsic protein tyrosine phosphatase activity (PTPase) and dephosphorylates EPHA2 regulating its activity.

### Cellular Location

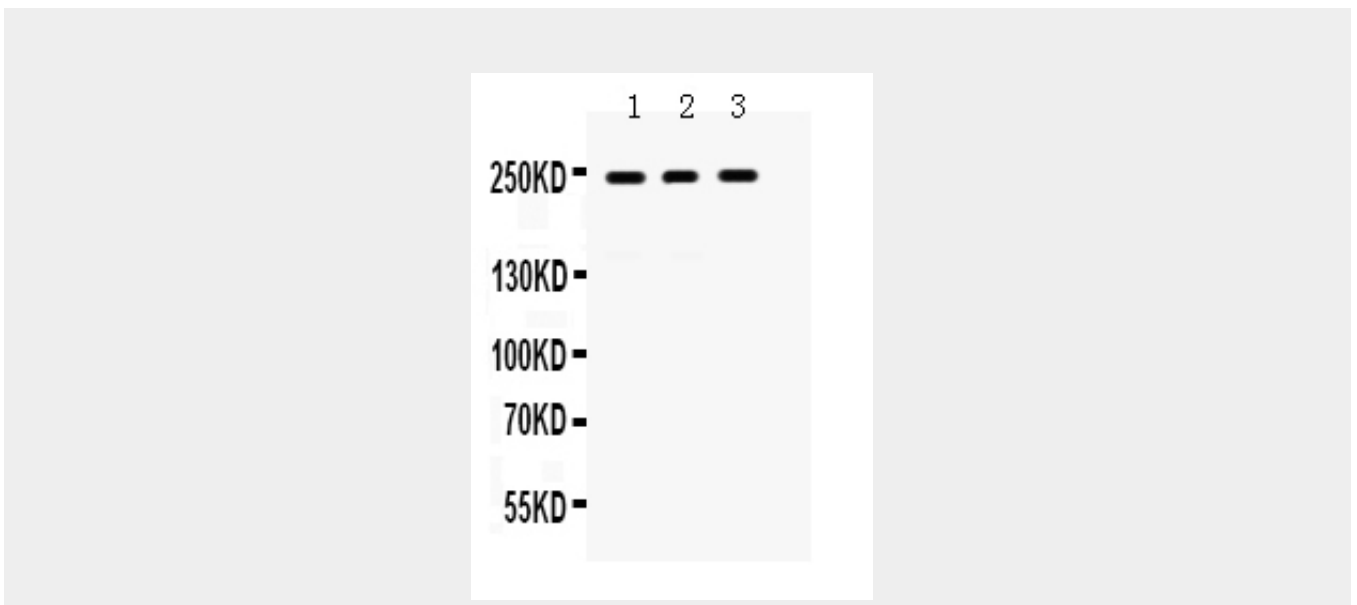
Membrane; Single-pass type I membrane protein.

## Anti-LAR Picoband Antibody - Protocols

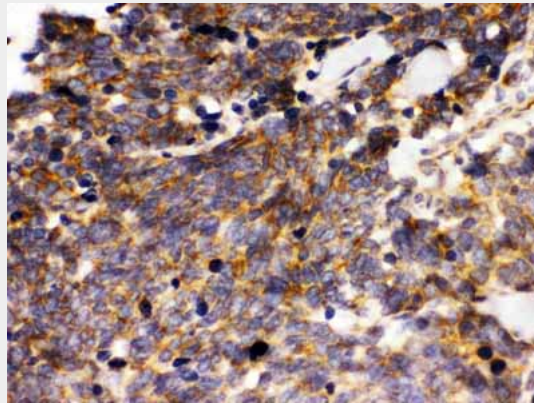
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-LAR Picoband Antibody - Images



Anti- LAR Picoband antibody, ABO12472, Western blotting All lanes: Anti LAR (ABO12472) at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: A431 Whole Cell Lysate at 40ug Lane 3: A549 Whole Cell Lysate at 40ug Predicted bind size: 240KD Observed bind size: 240KD



Anti- LAR Picoband antibody, ABO12472, IHC(P) IHC(P): Human Lung Cancer Tissue

#### **Anti-LAR Picoband Antibody - Background**

Receptor-type tyrosine-protein phosphatase F is an enzyme that in humans is encoded by the PTPRF gene. The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains three Ig-like domains, and nine non-Ig like domains similar to that of neural-cell adhesion molecule. This PTP was shown to function in the regulation of epithelial cell-cell contacts at adherent junctions, as well as in the control of beta-catenin signaling. An increased expression level of this protein was found in the insulin-responsive tissue of obese, insulin-resistant individuals, and may contribute to the pathogenesis of insulin resistance. Two alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.