

**Anti-LTBR Antibody**  
Catalog # ABO11276**Specification****Anti-LTBR Antibody - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">P36941</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Tumor necrosis factor receptor superfamily member 3(LTBR) detection. Tested with WB, IHC-P in Human.

**Reconstitution**

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

**Anti-LTBR Antibody - Additional Information**

**Gene ID** 4055

**Other Names**

Tumor necrosis factor receptor superfamily member 3, Lymphotoxin-beta receptor, Tumor necrosis factor C receptor, Tumor necrosis factor receptor 2-related protein, Tumor necrosis factor receptor type III, TNF-RIII, TNFR-III, LTBR, D12S370, TNFCR, TNFR3, TNFRSF3

**Calculated MW**

46709 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**

Tumor necrosis factor receptor superfamily member 3

**Contents**

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

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human LTBR(420-435aa ATPSNRGPRNQFITHD).

**Purification**

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins

### Storage

At -20°C for one year. After r°Constitution, 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-LTBR Antibody - Protein Information

**Name** LTBR

**Synonyms** D12S370, TNFCR, TNFR3, TNFRSF3

### Function

Receptor for the heterotrimeric lymphotoxin containing LTA and LTB, and for TNFS14/LIGHT (PubMed:<a href="http://www.uniprot.org/citations/24248355" target="\_blank">24248355</a>). Activates NF-kappa-B signaling pathway upon stimulation with lymphotoxin (LTA(1)-LTB(2)) (PubMed:<a href="http://www.uniprot.org/citations/24248355" target="\_blank">24248355</a>). Promotes apoptosis via TRAF3 and TRAF5. May play a role in the development of lymphoid organs.

### Cellular Location

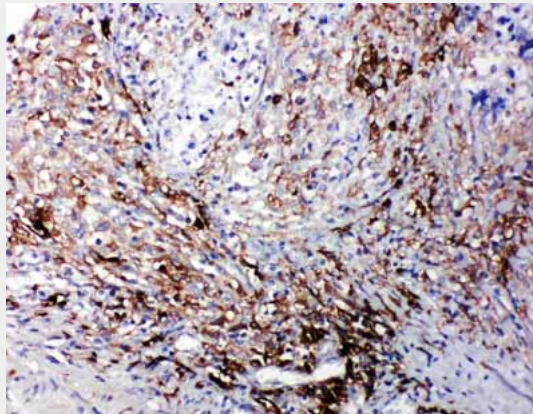
Membrane; Single-pass type I membrane protein.

## Anti-LTBR Antibody - Protocols

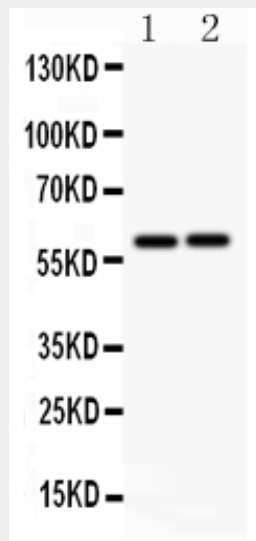
Provided below are standard protocols that you may find useful for product applications.

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

## Anti-LTBR Antibody - Images



Anti-LTBR antibody, ABO11276, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Anti-LTBR antibody, ABO11276, Western blotting All lanes: Anti LTBR (ABO11276) at 0.5ug/ml Lane 1: HELa Whole Cell Lysate at 40ug Lane 2: A549 Whole Cell Lysate at 40ug Predicted bind size: 47KD Observed bind size: 60KD

#### Anti-LTBR Antibody - Background

LTBR (Lymphotoxin B Receptor), also called TNFCR or LT-BETA-R, is a receptor for lymphotoxin which in humans is encoded by the LTBR gene. By linkage analysis with recombinant inbred mouse strains, Nakamura et al. (1995) demonstrated that the Tnfr locus is close to the Tnfr1 gene on mouse chromosome 6. Presumably, the human homolog is located on 12p13. Silva-Santos et al. (2005) reported that double-positive T cells regulate the differentiation of early thymocyte progenitors and gamma-delta cells by a mechanism dependent on the transcription factor ROR-gamma-t and the lymphotoxin-beta receptor. Lo et al. (2007) identified lymphotoxin and LIGHT (TNFSF14), tumor necrosis factor cytokine family members that are primarily expressed on lymphocytes, as critical regulators of key enzymes that control lipid metabolism.