Datasheet for ABIN3044034

# anti-LTBR antibody (C-Term)

2 Images

Go to Product page

## Overview

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| Quantity: | 100 µg |
| Target: | LTBR |
| Binding Specificity: | AA 420-435, C-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This LTBR antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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| Purpose: | Anti-LTBR Antibody Picoband® |
| Immunogen: | A synthetic peptide corresponding to a sequence at the C-terminus of human LTBR. |
| Sequence: | ATPSNRGPRN QFITHD |
| Isotype: | IgG |
| Cross-Reactivity (Details): | No cross-reactivity with other proteins |
| Characteristics: | Anti-LTBR Antibody (ABIN3044034). Tested in IHC, WB applications. This antibody reacts with Human. 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. |

## Product Details

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| Purification: | Immunogen affinity purified. |

## Target Details

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| Target: | LTBR |
| Alternative Name: | LTBR (LTBR Products) |
| Background: | Synonyms: 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,<br>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 Tnfcr 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. |
| Molecular Weight: | 60 kDa |
| UniProt: | P36941 |
| Pathways: | NF-kappaB Signaling |

## Application Details

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| Application Notes: | Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human<br>Western blot, 0.1-0.5 µg/mL, Human |

1. Lo, J. C., Wang, Y., Tumanov, A. V., Bamji, M., Yao, Z., Reardon, C. A., Getz, G. S., Fu, Y.-X. Lymphotoxin beta receptor-dependent control of lipid homeostasis. Science 316: 285-288, 2007. 2. Nakamura, T., Tashiro, K., Nazarea, M., Nakano, T., Sasayama, S., Honjo, T. The murine lymphotoxin-beta receptor cDNA: isolation by the signal sequence trap and chromosomal mapping. Genomics 30: 312-319, 1995. 3. Silva-Santos, B., Pennington, D. J., Hayday, A. C. Lymphotoxin-mediated regulation of gamma-delta cell differentiation by alpha-beta T cell progenitors. Science 307: 925-928, 2005.

 

## Application Details

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| Comment: | Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P). |
| Restrictions: | For Research Use only |

## Handling

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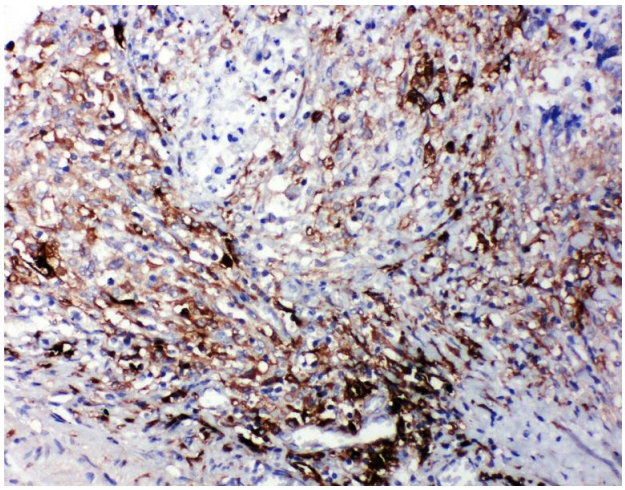
| Format: | Lyophilized |
| Reconstitution: | Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL. |
| Concentration: | 500 µg/mL |
| Buffer: | Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide. |
| Preservative: | Thimerosal (Merthiolate), Sodium azide |
| Precaution of Use: | This product contains Thimerosal (Merthiolate) and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freezing and thawing. |
| Storage: | 4 °C,-20 °C |
| Storage Comment: | 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. |
| Expiry Date: | 12 months |

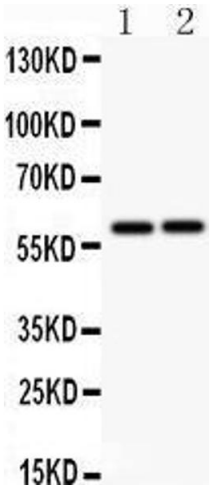
## Images



**Immunohistochemistry**

**Image 1.** Anti-LTBR antibody, IHC(P) IHC(P): Human Intestinal Cancer Tissue

## Images




### Western Blotting

**Image 2.** Anti-LTBR antibody, Western blotting All lanes: Anti LTBR 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