

Datasheet for ABIN3042614
anti-LTA antibody (Middle Region)



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2 Images

Overview

Quantity:	100 µg
Target:	LTA
Binding Specificity:	AA 73-88, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LTA antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Anti-TNF beta/LTA Antibody Picoband®
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human TNF beta, different from the related mouse sequence by one amino acid.
Sequence:	KQNSLLWRAN TDRAFL
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-TNF beta/LTA Antibody (ABIN3042614). Tested in 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

Purification: Immunogen affinity purified.

Target Details

Target: LTA

Alternative Name: LTA ([LTA Products](#))

Target Type: Chemical

Background: Synonyms: Lymphotoxin-alpha,LT-alpha,TNF-beta,Tumor necrosis factor ligand superfamily member 1,LTA,TNFB, TNFSF1,
Tissue Specificity: Isoform 1, isoform 3 and isoform 4 are expressed in keratinocytes and tumor-derived cell lines. .
Background: Lymphotoxin (previously known as tumor necrosis factor-beta) is a lymphokine cytokine. It is a protein that is produced by Th1 type T-cells and induces vascular endothelial cells to change their surface adhesion molecules to allow phagocytic cells to bind to them. Lymphotoxin is homologous to Tumor Necrosis Factor beta, but secreted by T-cells. It is paracrine due to the small amounts produced. The effects are similar to TNF-alpha, but TNF-beta is also important for the development of lymphoid organs. Nedwin et al. (1985) found that TNFA and TNFB are closely linked on chromosome 6. Study of hybrid cells made with rearranged human chromosome 6 showed that both TNFA and TNFB map to the 6p23-q12 segment.
Sequence Similarities: Belongs to the tumor necrosis factor family.

Molecular Weight: 6 kDa

UniProt: [P01374](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#)

Application Details

Application Notes: Western blot, 0.1-0.5 µg/mL, Human
1. Parham, Peter (2005). "Chapter 6: T-cell mediated immunity". The immune system (2nd ed.). New York: Garland Science. p. 172.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

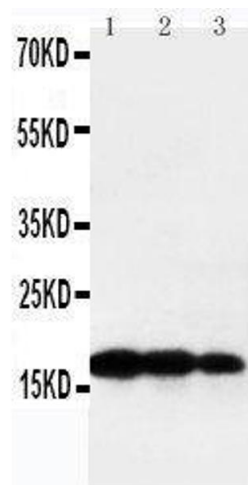
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution 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.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. Anti-TNF beta antibody, Western blotting Lane 1:
Recombinant Human TNF beta Protein 10ng Lane 2:
Recombinant Human TNF beta Protein 5ng Lane 3:
Recombinant Human TNF beta Protein 2.5ng