10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-LTBR Antibody

Catalog # ABO11276

Product Information

Application	WB, IHC-P
Primary Accession	P36941
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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 □g/ml, Human, By Heat Western blot, 0.1-0.5 □g/ml, Human
Subcellular Localization	Membrane; Single-pass type I membrane protein.
Source	Eukaryota
Protein Name	Tumor necrosis factor receptor superfamily member 3
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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.

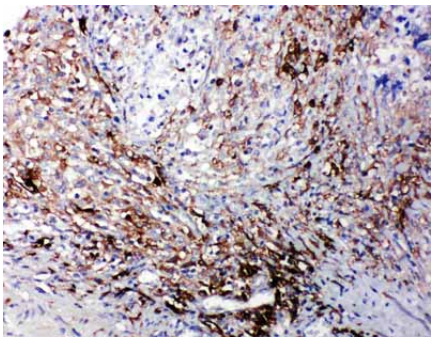
Protein Information

Name	LTBR
Synonyms	D12S370, TNFCR, TNFR3, TNFRSF3
Function	Receptor for the heterotrimeric lymphotoxin containing LTA and LTB, and for TNFS14/LIGHT (PubMed:24248355). Activates NF-kappa-B signaling pathway upon stimulation with lymphotoxin (LTA(1)-LTB(2)) (PubMed:24248355). 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.

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.

Images



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

Anti-LTBR antibody, ABO11276, Western blottingAll lanes: Anti LTBR (ABO11276) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: A549 Whole Cell Lysate at 40ugPredicted bind size: 47KDObserved bind size: 60KD