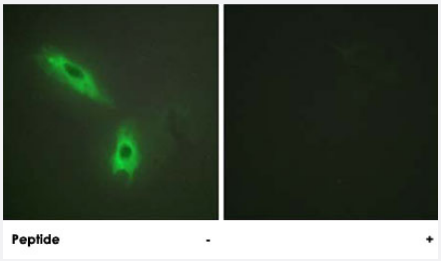
LTB polyclonal antibody

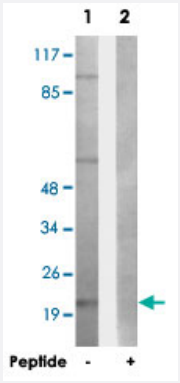
Catalog # PAB17378 Size 100 ug

Applications



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using LTB polyclonal antibody (Cat # PAB17378).
Peptide "+" means "with peptide blocking".



Western Blot (Cell lysate)

Western blot analysis of extracts from HepG2 cells, using LTB polyclonal antibody (Cat # PAB17378).
Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LTB.
Immunogen	A synthetic peptide corresponding to C-terminus of human LTB.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of total LTB protein.
Form	Liquid

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Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence

  Immunofluorescence analysis of HeLa cells, using LTB polyclonal antibody (Cat # PAB17378).
  Peptide "+" means "with peptide blocking".

- Western Blot (Cell lysate)

  Western blot analysis of extracts from HepG2 cells, using LTB polyclonal antibody (Cat # PAB17378).
  Peptide "+" means "with peptide blocking".

Gene Info — LTB

Entrez GeneID	4050
Protein Accession#	Q06643
Gene Name	LTB
Gene Alias	TNFC, TNFSF3, p33
Gene Description	lymphotoxin beta (TNF superfamily, member 3)
Omim ID	600978
Gene Ontology	Hyperlink

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Gene Summary	Lymphotoxin beta is a type II membrane protein of the TNF family. It anchors lymphotoxin-alpha to the cell surface through heterotrimer formation. The predominant form on the lymphocyte surface is the lymphotoxin-alpha 1/beta 2 complex (e.g. 1 molecule alpha/2 molecules beta) and this complex is the primary ligand for the lymphotoxin-beta receptor. The minor complex is lymphotoxin-alpha 2/beta 1. LTB is an inducer of the inflammatory response system and involved in normal development of lymphoid tissue. Lymphotoxin-beta isoform b is unable to complex with lymphotoxin-alpha suggesting a function for lymphotoxin-beta which is independent of lympyhotoxin-alpha. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq
Other Designations	OTTHUMP00000029185|OTTHUMP00000038214|lymphotoxin-beta|tumor necrosis factor C

Publication Reference

- A new member of the Ig superfamily and a V-ATPase G subunit are among the predicted products of novel genes close to the TNF locus in the human MHC.

  Neville MJ, Campbell RD.

  Journal of Immunology 1999 Apr; 162(8):4745.

- Identification of two lymphotoxin beta isoforms expressed in human lymphoid cell lines and non-Hodgkin's lymphomas.

  Warzocha K, Renard N, Charlot C, Bienvenu J, Coiffier B, Salles G.

  Biochemical and Biophysical Research Communications 1997 Sep; 238(2):273.

- Lymphotoxin beta, a novel member of the TNF family that forms a heteromeric complex with lymphotoxin on the cell surface.

  Browning JL, Ngam-ek A, Lawton P, DeMarinis J, Tizard R, Chow EP, Hession C, O'Brine-Greco B, Foley SF, Ware CF.

  Cell 1993 Mar; 72(6):847.

Pathway

- Cytokine-cytokine receptor interaction

Disease

- Arthritis
- Asthma
- Atherosclerosis

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- Brain Ischemia
- Calcinosis
- Cardiovascular Diseases
- Coronary Artery Disease
- Diabetes Mellitus
- Disease Susceptibility
- Edema
- Genetic Predisposition to Disease
- Intracranial Arteriosclerosis
- Lupus Erythematosus
- Malaria
- Myocardial Infarction
- Stroke
- Vasculitis

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