



LT-β Polyclonal Antibody

Catalog No	YP-Ab-15946
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IF;ELISA
Gene Name	LTB
Immunogen	The antiserum was produced against synthesized peptide derived from human TNFC. AA range:181-230
Specificity	LT-β Polyclonal Antibody detects endogenous levels of LT-β protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LT beta;LT-beta;Ltb;lymphotoxin beta;Lymphotoxin-beta;p33;TNF-C;TNFC;TNFC_HUMAN;TNFSF3;Tumor necrosis factor C;Tumor necrosis factor ligand superfamily member 3;LT-β
Observed Band	22kD
Calculated Molecular Weight	22kD
Cell Pathway	Membrane ; Single-pass type II membrane protein .
Tissue Specificity	Spleen and thymus.
Function	function:Cytokine that binds to LTBR/TNFRSF3. May play a specific role in immune response regulation. Provides the membrane anchor for the attachment of the heterotrimeric complex to the cell surface. Isoform 2 is probably non-functional.,similarity:Belongs to the tumor necrosis factor family.,subunit:Heterotrimer of either two LTB and one LTA subunits or (less prevalent) one LTB and two LTA subunits.,tissue specificity:Spleen and thymus.,

**Background**

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 lymphotoxin-alpha. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

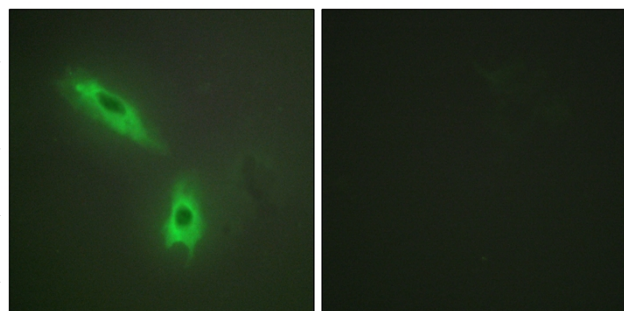
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



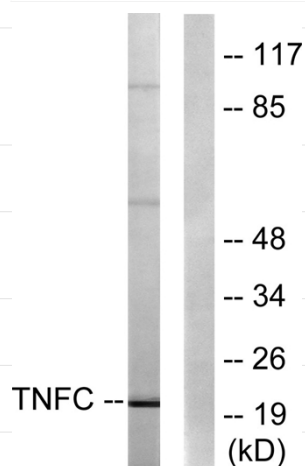
Products Images



Western Blot analysis of various cells using LT- β Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using TNFC Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using TNFC Antibody. The lane on the right is blocked with the synthesized peptide.