

LIGHT Polyclonal Antibody

Catalog No :	YT2561
Reactivity :	Human;Mouse
Applications :	WB;IHC
Target :	LIGHT
Fields :	>>Cytokine-cytokine receptor interaction;>>Viral protein interaction with cytokine and cytokine receptor;>>NF-kappa B signaling pathway;>>Herpes simplex virus 1 infection
Gene Name :	TNFSF14
Protein Name :	Tumor necrosis factor ligand superfamily member 14
Human Gene Id :	8740
Human Swiss Prot No :	O43557
Mouse Gene Id :	50930
Mouse Swiss Prot No :	Q9QYH9
Immunogen :	The antiserum was produced against synthesized peptide derived from human TNF14. AA range:51-100
Specificity :	LIGHT Polyclonal Antibody detects endogenous levels of LIGHT protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 26kD

Cell Pathway : Cytokine-cytokine receptor interaction;

Background :

The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008],

Function :

function:Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Activates NFkB, stimulates the proliferation of T-cells, and inhibits growth of the adenocarcinoma HT-29. Acts as a receptor for Herpes simplex virus.,induction:Up-regulated after T-cell activation.,PTM:N-glycosylated.,PTM:The soluble form of isoform 1 derives from the membrane form by proteolytic processing.,similarity:Belongs to the tumor necrosis factor family.,subunit:Homotrimer.,tissue specificity:Predominantly expressed in the spleen but also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines.,

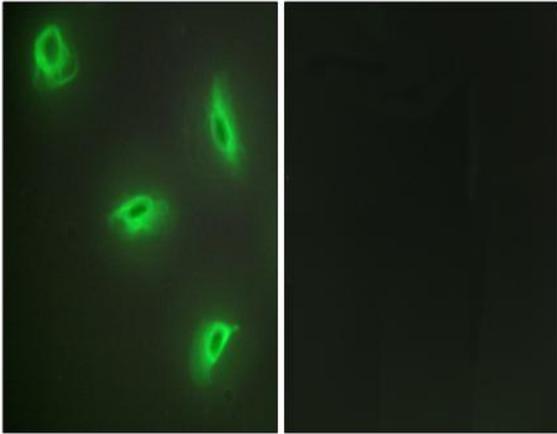
Subcellular Location :

[Tumor necrosis factor ligand superfamily member 14, membrane form]: Cell membrane; Single-pass type II membrane protein.; [Tumor necrosis factor ligand superfamily member 14, soluble form]: Secreted.; [Isoform 2]: Cytoplasm.

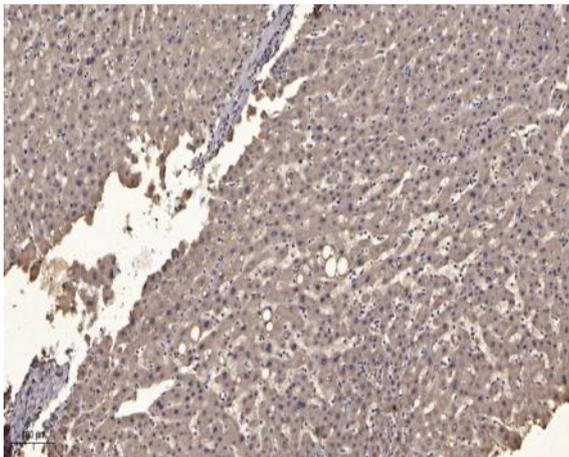
Expression :

Predominantly expressed in the spleen but also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines.

Products Images



Immunofluorescence analysis of HeLa cells, using TNF14 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).