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# TNFSF14 Antibody (Center)

**Affinity Purified Rabbit Polyclonal Antibody (Pab)**

**Catalog # AP14595c**

## Specification

### TNFSF14 Antibody (Center) - Product Information

| | |
|---|---|
| Application | **WB,E** |
| Primary Accession | O43557 |
| Other Accession | NP_742011.2, NP_003798.2 |
| Reactivity | **Human** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Isotype | **Rabbit IgG** |
| Calculated MW | **26350** |
| Antigen Region | **66-94** |

### TNFSF14 Antibody (Center) - Additional Information

**Gene ID** 8740

**Other Names**
Tumor necrosis factor ligand superfamily member 14, Herpes virus entry mediator ligand, HVEM-L, Herpesvirus entry mediator ligand, CD258, Tumor necrosis factor ligand superfamily member 14, membrane form, Tumor necrosis factor ligand superfamily member 14, soluble form, TNFSF14, HVEML, LIGHT

**Target/Specificity**
This TNFSF14 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the Central region of human TNFSF14.

**Dilution**
WB~~1:1000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
TNFSF14 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### TNFSF14 Antibody (Center) - Protein Information

**Name** TNFSF14

**Synonyms** HVEML, LIGHT

**Function** Cytokine that binds to TNFRSF3/LTBR. Binding to the decoy receptor TNFRSF6B modulates its effects. Acts as a ligand for TNFRSF14/HVEM (PubMed:9462508, PubMed:10754304). Upon binding to TNFRSF14/HVEM, delivers costimulatory signals to T cells, leading to T cell proliferation and IFNG production (PubMed:10754304).

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

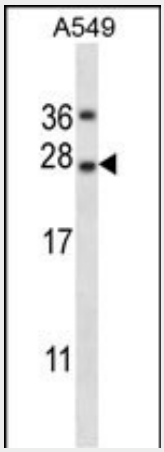
**Tissue Location**
Predominantly expressed in the spleen but also found in the brain. Weakly expressed in peripheral lymphoid tissues and in heart, placenta, liver, lung, appendix, and kidney, and no expression seen in fetal tissues, endocrine glands, or nonhematopoietic tumor lines.

## TNFSF14 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## TNFSF14 Antibody (Center) - Images




TNFSF14 Antibody (Center) (Cat. #AP14595c) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the TNFSF14 antibody detected the TNFSF14 protein (arrow).

## TNFSF14 Antibody (Center) - 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.

**TNFSF14 Antibody (Center) - References**

Stiles, K.M., et al. J. Virol. 84(22):11646-11660(2010)
Jin, H.R., et al. Biochem. Biophys. Res. Commun. 400(4):581-586(2010)
Shimada, M., et al. Hum. Genet. 128(4):433-441(2010)
Cheung, T.C., et al. J. Immunol. 185(3):1949-1958(2010)
Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :