

LIGHT Antibody
Rabbit Polyclonal Antibody
Catalog # ABV11019**Specification**

LIGHT Antibody - Product Information

Application	WB
Primary Accession	O43557
Other Accession	AAC39563
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	26350

LIGHT Antibody - Additional Information**Gene ID** 8740**Application & Usage****Western blotting (0.5-1 µg/ml). However, the optimal conditions should be determined individually. The antibody detects human LIGHT. Reactivity to other species has not been tested.****Other Names**

Tumor necrosis factor ligand, TNF14, TNF 14, TNF-14

Target/Specificity

LIGHT

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) antigen affinity purified rabbit polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

LIGHT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

LIGHT Antibody - Protein Information

Name TNFSF14

Synonyms HVEM, 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:10754304, PubMed:9462508). 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.

LIGHT Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LIGHT Antibody - Images

LIGHT Antibody - Background

LIGHT is a type II membrane protein belonging to the TNF family of membrane-anchored ligands. It is expressed in splenocytes, activated PBL, CD8+ tumor infiltrating lymphocytes, granulocytes and monocytes. LIGHT has the ability to activate NFkB, stimulate proliferation of lymphocytes, and induce apoptosis in certain human tumor cells. LIGHT binds to three receptors; the herpes virus entry mediator type A receptor (HEVM), LTbR and a decoy receptor (DcR3).