

Anti-LIGHT Picoband Antibody

Catalog # ABO13014

Product Information

Application	WB, E
Primary Accession	Tnfsf14: Q9QYH9
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for LIGHT detection. Tested with WB, Direct ELISA in Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Application Details	Western blot, 0.1-0.5 µg/ml Direct ELISA, 0.1-0.5 µg/ml
Subcellular Localization	Cell membrane ; Single-pass type II membrane protein .
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived mouse LIGHT recombinant protein (Position: L59-V239).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins.
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Protein Information

Background

Tumor necrosis factor ligand superfamily member 14 is a protein that in humans is encoded by the TNFSF14 gene. TNFSF14 has also been designated as CD258, as well as LIGHT. It was mapped on chromosome 19p13.3. The protein encoded by this gene is a member of the tumor necrosis factor(TNF) ligand family. This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. It 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.

Images

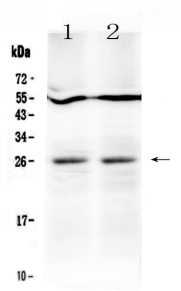


Figure 1. Western blot analysis of LIGHT using anti-LIGHT antibody (ABO13014). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: mouse spleen tissue lysates, Lane 2: mouse cardiac muscle tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-LIGHT antigen affinity purified polyclonal antibody (Catalog # ABO13014) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for LIGHT at approximately 26KD. The expected band size for LIGHT is at 26KD.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.