

Anti-Angiopietin-like 4/ANGPTL4 Antibody Picoband®

Catalog Number: A01147-2

About ANGPTL4

Angiopietin-related protein 4 (Angptl4) is a protein that in humans is encoded by the ANGPTL4 gene. This gene is a member of the angiopietin/angiopietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. And this gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. By radiation hybrid analysis, Angptl4 gene is mapped to 19p13.3. ANGPTL4 contributed to tumor growth and protected cells from anoikis, a form of programmed cell death induced when contact-dependent cells detach from the surrounding tissue matrix.

Overview

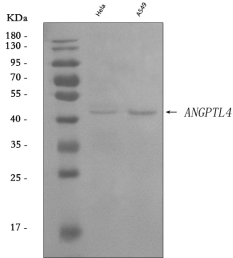
Product Name	Anti-Angiopietin-like 4/ANGPTL4 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-Angiopietin-like 4/ANGPTL4 Antibody Picoband® catalog # A01147-2. Tested in WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9BY76

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Angiopietin-like 4/ANGPTL4, which shares 94.7% amino acid (aa) sequence identity with mouse and rat ANGPTL4.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml/ml, Human

Anti-Angiopoietin-like 4/ANGPTL4 Antibody Picoband® (A01147-2) Images



Western blot analysis of Angiopoietin-like 4/ANGPTL4 using anti-Angiopoietin-like 4/ANGPTL4 antibody (A01147-2). 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 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human A549 whole cell lysates. red to a nitrocellulose membrane at 150 mA 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-Angiopoietin-like 4/ANGPTL4 antigen affinity purified polyclonal antibody (Catalog # A01147-2) 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 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Angiopoietin-like 4/ANGPTL4 at approximately 45 kDa. The expected band size for Angiopoietin-like 4/ANGPTL4 is at 45 kDa.

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