

## Anti-ANGPTL2 Antibody Picoband®

Catalog Number: A05747-1

### About ANGPTL2

Angiotensin-converting enzyme 2, also known as angiotensin-converting enzyme-like protein 2, is a protein that in humans is encoded by the ANGPTL2 gene. Angiotensin-converting enzymes are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiotensin-converting enzyme-1, angiotensin-converting enzyme-2, and angiotensin-converting enzyme-4 participate in the formation of blood vessels. ANGPTL2 protein is a secreted glycoprotein with homology to the angiotensin-converting enzymes and may exert a function on endothelial cells through autocrine or paracrine action.

### Overview

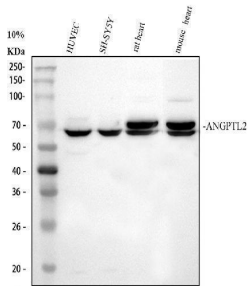
Product Name	Anti-ANGPTL2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-ANGPTL2 Antibody Picoband® catalog # A05747-1. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q9UKU9

### Technical Details

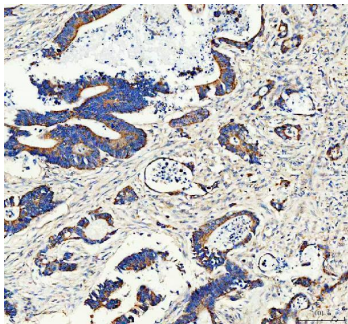
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human ANGPTL2, different from the related mouse sequence by one amino acid.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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 µg/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 2-5ug/ml, Human

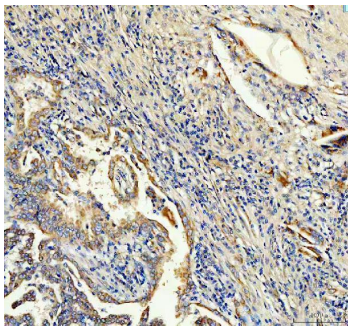
## Anti-ANGPTL2 Antibody Picoband® (A05747-1) Images



Western blot analysis of ANGPTL2 using anti-ANGPTL2 antibody (A05747-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HUVEC whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: rat heart tissue lysates, Lane 4: mouse heart tissue lysates. After electrophoresis, proteins were transferred 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-ANGPTL2 antigen affinity purified polyclonal antibody (A05747-1) 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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for ANGPTL2 at approximately 60-65 kDa. The expected band size for ANGPTL2 is at 57 kDa.



IHC analysis of ANGPTL2 using anti-ANGPTL2 antibody (A05747-1). ANGPTL2 was detected in a paraffin-embedded section of human colon cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ANGPTL2 Antibody (A05747-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of ANGPTL2 using anti-ANGPTL2 antibody (A05747-1). ANGPTL2 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-ANGPTL2 Antibody (A05747-1) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

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### Anti-ANGPTL2 Antibody

For Research Use Only. Not for use in diagnostic procedures.