

## Anti-Angiogenin/Ang Antibody Picoband®

Catalog Number: A00146-3

### About Ang

Angiogenin (ANG) also known as ribonuclease 5 is a small 123 amino acid protein that in humans is encoded by the ANG gene. Predicted to enable several functions, including actin binding activity; heparin binding activity; and protein homodimerization activity. Involved in liver development. Predicted to be located in several cellular components, including growth cone; neuronal cell body; and nucleolus. Predicted to be part of angiogenin-PRI complex. Human ortholog(s) of this gene implicated in diabetic retinopathy; myocardial infarction; neurodegenerative disease (multiple); and prostate cancer. Orthologous to human ANG (angiogenin).

### Overview

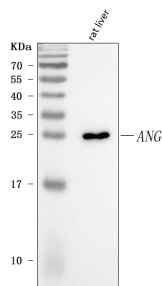
Product Name	Anti-Angiogenin/Ang Antibody Picoband®
Reactive Species	Rat
Description	Boster Bio Anti-Angiogenin/Ang Antibody Picoband® catalog # A00146-3. Tested in ELISA, WB applications. This antibody reacts with Rat. The brand Picoband indicates this is a premium antibody that guarantees superior 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	ELISA, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
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	Q5WRG2

### Technical Details

Immunogen	E.coli-derived rat Angiogenin/Ang recombinant protein (Position: Q25-L145).
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 µg/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Rat ELISA, 0.1-0.5 ug/ml, Rat

## Anti-Angiogenin/Ang Antibody Picoband® (A00146-3) Images



Western blot analysis of Angiogenin/Ang using anti-Angiogenin/Ang antibody (A00146-3). 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: rat liver 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-Angiogenin/Ang antigen affinity purified polyclonal antibody (Catalog # A00146-3) 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 Angiogenin/Ang at approximately 25 kDa. The expected band size for Angiogenin/Ang is at 17-22 kDa.

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### Anti-Angiogenin/Ang Antibody

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