

## Anti-Angiopoietin 1/ANGPT1 Antibody

Catalog Number: PA1333-1

### About ANGPT1

Angiopoietin 1 is a type of angiopoietin and is encoded by the gene ANGPT1. Angiopoietins are proteins with important roles in vascular development and angiogenesis. All angiopoietins bind with similar affinity to an endothelial cell-specific tyrosine-protein kinase receptor. The protein encoded by this gene is a secreted glycoprotein that activates the receptor by inducing its tyrosine phosphorylation. It plays a critical role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. The protein also contributes to blood vessel maturation and stability, and may be involved in early development of the heart. Angiopoietin-1 seems to play a crucial role in mediating reciprocal interactions between the endothelium and surrounding matrix and mesenchyme. Endothelial Tie2/Tek ligands angiopoietin-1 (ANGPT1) and angiopoietin-2 (ANGPT2): regional localization of the human genes to 8q22.3-q23 and 8p23.

### Overview

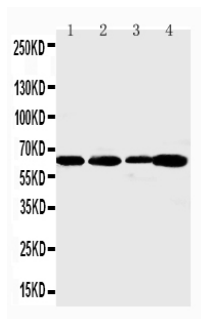
Product Name	Anti-Angiopoietin 1/ANGPT1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Angiopoietin 1/ANGPT1 Antibody catalog # PA1333-1. Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IHC, WB
Clonality	Polyclonal JLT-12
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
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	Q15389

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Angiopoietin 1, different from the related mouse and rat sequences by two amino acids.
Predicted Reactive Species	Chicken
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
Form	Lyophilized

Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA , 0.1-0.5ug/ml, Human, -</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat, By Heat</p> <p>Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse</p>

## Anti-Angiopoietin 1/ANGPT1 Antibody (PA1333-1) Images



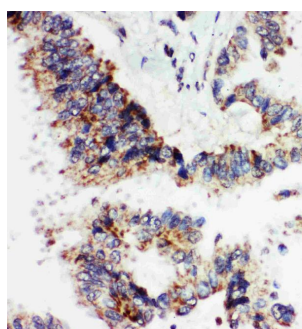
Anti-Angiopoietin 1 antibody, PA1333-1, Western blotting

Lane 1: Rat Heart Tissue Lysate

Lane 2: Rat Brain Tissue Lysate

Lane 3: Rat Kidney Tissue Lysate

Lane 4: SMMC Cell Lysate



Anti-Angiopoietin 1 antibody, PA1333-1, IHC(P)

IHC(P): Human Lung Cancer Tissue

## 1 Publications Citing This Product

1. PubMed ID: 24979385, Sun Ff, Wang W, Cheng H, Wang Y, Li L, Xue Jf, Wang Xf, Ai Hx, Zhang L, Xu Jd, Wang Xm, Ji Xm. Plos One. 2014 Jun 30;9(6):E101194. Doi: 10.1371/Journal.Pone.0101194. Ecollection 2014. Morroniside Improves Microvascular Functional Integrity Of The ...

Visit [bosterbio.com/anti-angiopoietin-1-antibody-pa1333-1-boster.html](http://bosterbio.com/anti-angiopoietin-1-antibody-pa1333-1-boster.html) to see all 1 publications.

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Angiopoietin 1/ANGPT1 Antibody