

Anti-Angiogenin ANG Antibody

Catalog Number: A00146-1

About ANG

Angiogenin (ANG or ANG I) is important for the process of neovascularization and formation of new blood vessels. ANG is similar to pancreatic ribonuclease A and functions as a tRNA-specific ribonuclease that abolishes protein synthesis by specifically hydrolyzing cellular tRNAs. It interacts with endothelial cell-surface actin and may cause changes in the cell cytoskeleton. ANG is thought to be involved in the development of solid tumors and its antagonists are capable of inhibiting tumor growth. Defects in ANG are the cause of susceptibility to amyotrophic lateral sclerosis type 9 (ALS9). Angiogenin is a genetic link between ALS and PD.

Overview

Product Name	Anti-Angiogenin ANG Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Angiogenin ANG Antibody (Catalog # A00146-1). Tested in ELISA, WB, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, WB
Clonality	Polyclonal Clone: SK7
Formulation	ANG Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	ANG antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P03950

Technical Details

Immunogen	ANG antibody was raised against a 15 amino acid synthetic peptide near the center of human ANG. The immunogen is located within amino acids 70 - 120 of ANG.
Predicted Reactive Species	Horse
Cross Reactivity	Two alternatively spliced transcript variants have been observed.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ANG Antibody is affinity chromatography purified via peptide column.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

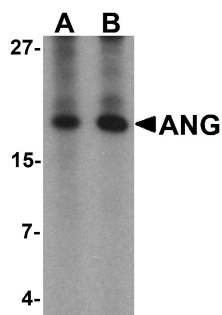
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

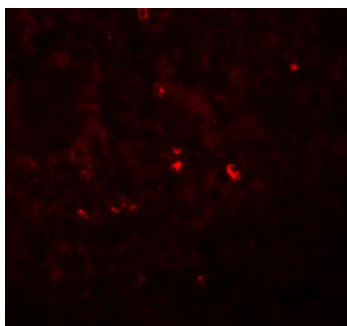
ANG antibody can be used for detection of ANG by Western blot at 1 - 2 ug/mL. For immunofluorescence start at 20 ug/mL.

Antibody validated: Western Blot in rat samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

Anti-Angiogenin ANG Antibody (A00146-1) Images



Western blot analysis of ANG in rat liver tissue lysate with Ang antibody at (A) 1 and (B) 2 ug/mL.



Immunofluorescence of ANG in human liver tissue with ANG antibody at 20 ug/mL.

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