

## Rabbit ANG Polyclonal Antibody | anti-ANG antibody

ANG Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                            |
|-----------|--------|-------------------|-----------------------------------------|
| AAA40199  | Rabbit | Human, Mouse, Rat | Immunofluorescence, Western Blot, ELISA |

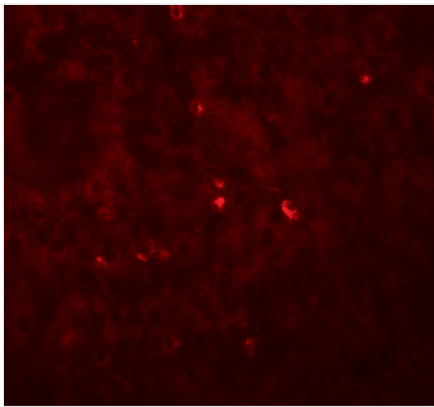
### PRODUCT SYNONYMS

ANG; Polyclonal Antibody; ANG Antibody; ALS9; RAA1; HEL168; RNASE4; RNASE5; Angiogenin; Ribonuclease 5; RNase 5; angiogenin; ribonuclease; RNase A family; 5; anti-ANG antibody

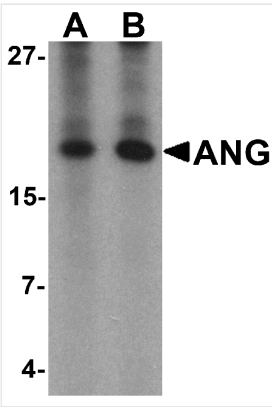
### PRODUCT SPECIFICATIONS

|                                               |                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                                                                                                                                                                    |
| Reactivity                                    | Human, Mouse, Rat                                                                                                                                                                                                                                         |
| Clonality                                     | Polyclonal                                                                                                                                                                                                                                                |
| Isotype                                       | IgG                                                                                                                                                                                                                                                       |
| Specificity                                   | Two alternatively spliced transcript variants have been observed.                                                                                                                                                                                         |
| Purity/Purification                           | ANG Antibody is affinity chromatography purified via peptide column.                                                                                                                                                                                      |
| Form/Format                                   | Liquid                                                                                                                                                                                                                                                    |
| Concentration                                 | 1 mg/mL (varies by lot)                                                                                                                                                                                                                                   |
| Sequence Length                               | 147                                                                                                                                                                                                                                                       |
| Applicable Applications for anti-ANG antibody | IF (Immunofluorescence), WB (Western Blot), ELISA                                                                                                                                                                                                         |
| Conjugate                                     | Unconjugated                                                                                                                                                                                                                                              |
| Immunogen                                     | ANG antibody was raised against a 15 amino acid synthetic peptide near the center of human ANG.                                                                                                                                                           |
| Buffer                                        | ANG Antibody is supplied in PBS containing 0.02% sodium azide.                                                                                                                                                                                            |
| Preparation and Storage                       | ANG antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence of ANG in human liver tissue with ANG antibody at 20 &#956;g/mL.



**WB (Western Blot)**  
Western blot analysis of ANG in rat liver tissue lysate with Ang antibody at (A) 1 and (B) 2 &#956;g/mL.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ANG antibody | ANG Antibody: 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. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557313                                                                                |
| NCBI GeneID                      | 283                                                                                    |
| NCBI Accession #                 | NP_001136                                                                              |
| NCBI GenBank Nucleotide #        | NM_001145.4                                                                            |
| UniProt Accession #              | P03950; Q05CV1; Q53X86; Q6P5T2; Q8WXE7                                                 |
| Molecular Weight                 | 16 kDa                                                                                 |
| NCBI Official Full Name          | angiogenin                                                                             |
| NCBI Official Synonym Full Names | angiogenin, ribonuclease, RNase A family, 5                                            |
| NCBI Official Symbol             | ANG                                                                                    |
| NCBI Official Synonym Symbols    | ALS9; RAA1; HEL168; RNASE4; RNASE5                                                     |
| NCBI Protein Information         | angiogenin; RNase 5; ribonuclease 5; ribonuclease A A1; epididymis luminal protein 168 |
| UniProt Protein Name             | Angiogenin                                                                             |
| UniProt Gene Name                | ANG                                                                                    |
| UniProt Synonym Gene Names       | RNASE5; RNase 5                                                                        |
| UniProt Entry Name               | ANGI_HUMAN                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.