

Rabbit anti-Rat Angiogenin Polyclonal Antibody | anti-ANG antibody

Anti-Angiogenin Antibody, Rabbit Polyclonal

CATALOG # AAA254362	HOST Rabbit	REACTIVITY Rat	APPLICATIONS Immunohistochemistry
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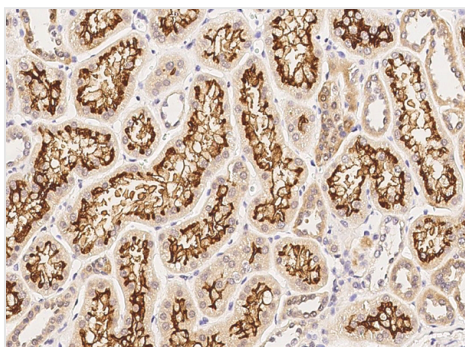
PRODUCT SYNONYMS

Angiogenin; Polyclonal Antibody; Anti-Angiogenin Antibody; Rabbit Polyclonal; Angiogenin/RNASE5 Antibody; Rabbit PAb; Antigen Affinity Purified; angiogenin; ribonuclease; RNase A family; 5; anti-ANG antibody

PRODUCT SPECIFICATIONS

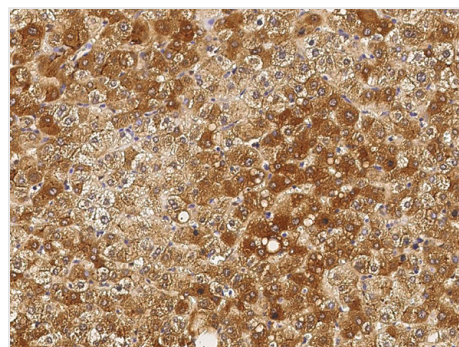
Host	Rabbit
Reactivity	Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Rat Angiogenin/RNASE5
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-ANG antibody	IHC (Immunohistochemistry)
Immunogen	A synthetic peptide corresponding to the C-terminus of the Rat Angiogenin/RNASE5
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the C-terminus of the Rat Angiogenin/RNASE5, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human ANG in human kidney with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human ANG in human liver with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-ANG antibody	Angiogenin is a protein crucial in angiogenesis, and it is overexpressed in many cancers and downregulated in neurodegenerative diseases, respectively. The protein interaction with actin, through the loop encompassing the 60-68 residues, is an essential step in the cellular cytoskeleton reorganization. This, in turn, influences the cell proliferation and migration processes. Angiogenin (ANG) is a secretory ribonuclease that promotes the proliferation of endothelial cells, leading to angiogenesis. This function relies on its ribonucleolytic activity, which is low for simple RNA substrates. Upon entry into the cytosol, ANG is sequestered by the ribonuclease inhibitor protein (RNH1). ANG is a potent cytotoxin for RNH1-knockout HeLa cells, belying its inefficiency as a nonspecific catalyst. The toxicity does, however, rely on the ribonucleolytic activity of ANG and a cytosolic localization, which lead to the accumulation of particular tRNA fragments (tRFs), such as tRF-5 Gly-GCC. These up-regulated tRFs are highly cytotoxic at physiological concentrations. Although ANG is well-known for its promotion of cell growth. Angiogenin and osteoprotegerin are triceps specific myokines with beta-cell protective actions against proinflammatory cytokines. Angiogenin and EPCs are modulated by rehabilitation after cerebral ischemia, suggesting that both angiogenin and EPCs could serve as biomarkers of improvement during rehabilitation or future therapeutic targets.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978473
NCBI GeneID	24182
NCBI Accession #	NP_036626.1
NCBI GenBank Nucleotide #	NM_012494.3
UniProt Accession #	P35351
Molecular Weight	41,331 Da
NCBI Official Full Name	type-2 angiotensin II receptor
NCBI Official Synonym Full Names	angiotensin II receptor, type 2
NCBI Official Symbol	Agtr2
NCBI Official Synonym Symbols	AT2R; AT2-R; AT₂R
NCBI Protein Information	type-2 angiotensin II receptor
UniProt Protein Name	Type-2 angiotensin II receptor
UniProt Gene Name	Agtr2
UniProt Synonym Gene Names	AT2

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/angiogenin-antibody-immunohistochemistry-elisa/254362>