

For Research Use Only

Angiogenin Polyclonal antibody

Catalog Number: 18302-1-AP

12 Publications



Basic Information

Catalog Number:

18302-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC054880

GeneID (NCBI):

283

UNIPROT ID:

P03950

Full Name:

angiogenin, ribonuclease, RNase A family, 5

Calculated MW:

17 kDa

Observed MW:

17 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:200-1:1000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat

Positive Controls:

WB: mouse liver tissue, human milk tissue

IHC: human liver tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Angiogenin (ANG), an angiogenic ribonuclease, is a member of the vertebrate-specific, secreted RNASE superfamily. Angiogenin, originally identified as a tumor angiogenic factor, was related with the growth and metastasis of numerous tumors. Angiogenin has been proposed as a permissive factor for angiogenesis induced by other angiogenic factors, including vascular endothelial growth factor (VEGF), basic fibroblast growth factor, acidic fibroblast growth factor, and epidermal growth factor. Angiogenin production and secretion may be stimulated by hypoxia. Increased angiogenin serum levels have been associated with the incidence and severity of several human tumors, including HCC. It is a 17 kDa precursor which is cleaved to generate the 14 kDa mature protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Hui Tang	33330033	Front Oncol	WB
Pei Zhang	31914639	FASEB J	WB
Minghui Sun	32569777	Life Sci	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

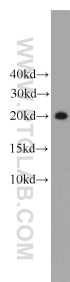
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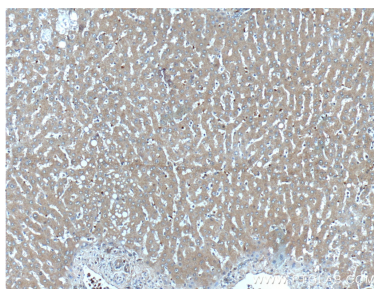
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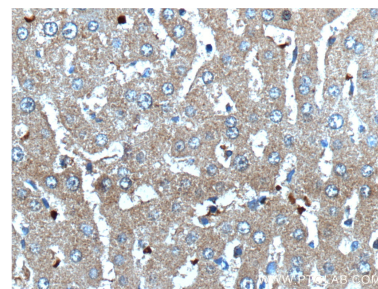
Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 18302-1-AP (Angiogenin antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18302-1-AP (Angiogenin antibody at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18302-1-AP (Angiogenin antibody at dilution of 1:100 (under 40x lens).