

For Research Use Only

Angiogenin Polyclonal ANTIBODY



Catalog Number: 18302-1-AP

1 Publications

Basic Information

Catalog Number: 18302-1-AP	GenBank Accession Number: BC054880	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Size: 45 µg/150 µl	GeneID (NCBI): 283	
Source: Rabbit	Full Name: angiogenin, ribonuclease, RNase A family, 5	
Isotype: IgG	Calculated MW: 17 kDa	
Purification Method: Antigen affinity purification	Observed MW: 17 kDa	
Immunogen Catalog Number:		

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human,mouse

Cited Species:

rat

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

Positive Controls:

WB : mouse liver tissue; human milk tissue

IHC : human liver tissue;

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
Daochai Qian	25810724	Stem Cells Int	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

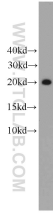
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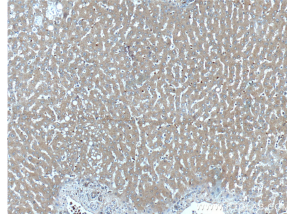
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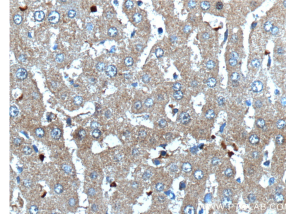
Selected Validation Data



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



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



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