

For Research Use Only

Angiogenin Polyclonal antibody



Catalog Number: 18302-1-AP **5 Publications**

Basic Information

Catalog Number: 18302-1-AP	GenBank Accession Number: BC054880	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 500 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 283	Recommended Dilutions: WB 1:200-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: angiogenin, ribonuclease, RNase A family, 5	
Isotype: IgG	Calculated MW: 17 kDa	
	Observed MW: 17 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : mouse liver tissue, human milk tissue IHC : human liver tissue,
Cited Applications: IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, rat	

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

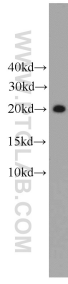
Storage

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

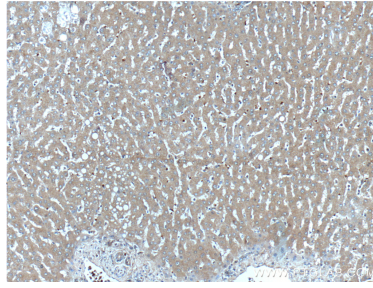
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

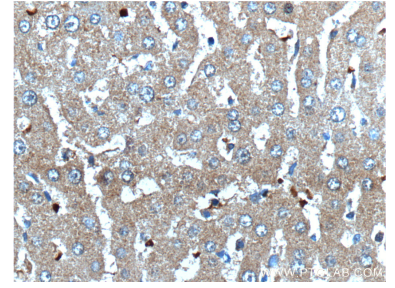
Selected Validation Data



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).