

For Research Use Only

# Angiogenin Recombinant antibody

Catalog Number: 85635-1-RR



## Basic Information

<b>Catalog Number:</b> 85635-1-RR	<b>GenBank Accession Number:</b> BC054880	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 283	<b>CloneNo.:</b> 242738D1
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P03950	<b>Recommended Dilutions:</b> WB 1:1000-1:4000 IF/ICC 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> angiogenin, ribonuclease, RNase A family, 5	
<b>Immunogen Catalog Number:</b> EG1930	<b>Calculated MW:</b> 147 aa, 17 kDa	
	<b>Observed MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> WB, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human	<b>WB :</b> Brefeldin A treated HepG2 cells, <b>IF/ICC :</b> HepG2 cells,

## 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.

## 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**

For technical support and original validation data for this product please contact:

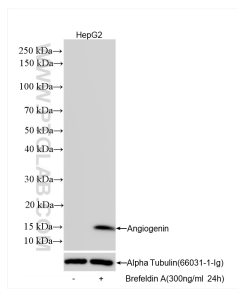
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

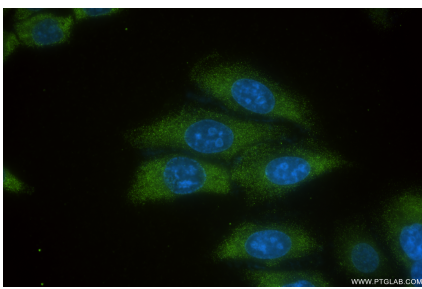
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## Selected Validation Data



Untreated and Brefeldin A treated HepG2 cells were subjected to SDS PAGE followed by western blot with 85635-1-RR (ANG antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using ANG antibody (85635-1-RR, Clone: 242738D1 ) at dilution of 1:400 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).