

For Research Use Only

# AGGF1 Polyclonal ANTIBODY



Catalog Number: 11889-1-AP

Featured Product

13 Publications

## Basic Information

**Catalog Number:**

11889-1-AP

**Size:**

150UL, Concentration: 267 µg/ml by Bradford method using BSA as the standard;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG2497

**GenBank Accession Number:**

BC029382

**GeneID (NCBI):**

55109

**Full Name:**

angiogenic factor with G patch and FHA domains 1

**Calculated MW:**

714 aa, 81 kDa

**Observed MW:**

84-100 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:2000

IHC 1:10-1:100

## Applications

**Tested Applications:**

IHC, WB, ELISA

**Cited Applications:**

IF, IHC, WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat, rhesus

**Note-IHC: 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, HEK-293 cells, HeLa cells, rat liver tissue

IHC: human spleen tissue,

## Background Information

The angiogenic factor gene, AGGF1 (or VG5Q), is identified as a candidate susceptibility gene for Klippel-Trenaunay syndrome (KTS) which is a severe congenital disorder characterized by capillary malformations, venous malformations or varicose veins, and hypertrophy of the affected tissues. AGGF1 protein can bind to endothelial cells and promote cell proliferation. AGGF1 shows strong expression in blood vessels and is secreted as vessel formation is initiated. Regulation of AGGF1 by GATA1 may play roles in endothelial cell biology and angiogenesis. Catalog#11889-1-AP was validated by KO and KD methods in scientists' studies (PMID: 28153879; 27513923), and the observed MW is 84 kDa.

## Notable Publications

Author	Pubmed ID	Journal	Application
Lu Qiulun Q	23110058	PLoS One	WB,IHC
Yufeng Yao	28649088	J Am Heart Assoc	IHC
Yufeng Yao	28743963	Nat Commun	WB,IHC

## Storage

**Storage:**

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

**Storage Buffer:**

PBS with 0.1% 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)

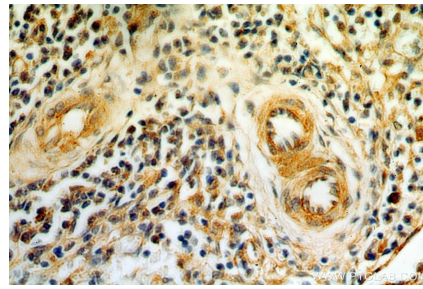
E: proteintech@ptglab.com  
W: ptglab.com

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 11889-1-AP (AGGF1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human spleen using 11889-1-AP (AGGF1 antibody) at dilution of 1:25 (under 40x lens).