### For Research Use Only

# AGGF1 Polyclonal antibody

Catalog Number: 11889-1-AP

Featured Product

23 Publications

BC029382

55109

GeneID (NCBI):

**UNIPROT ID:** 

GenBank Accession Number:



**Purification Method:** 

WB 1:1000-1:8000

Antigen affinity purification

Recommended Dilutions:

**Basic Information** 

Catalog Number: 11889-1-AP Concentration: 700 ug/ml Source:

Immunogen Catalog Number:

Rabbit Q8N302 Full Name: Isotype:

angiogenic factor with G patch and FHA domains 1

AG2497 Calculated MW: 714 aa, 81 kDa Observed MW:

84-100 kDa

**Applications** 

**Tested Applications:** WB, ELISA

Cited Applications: WB, IHC, IF, IP Species Specificity: human, mouse, rat Cited Species:

human, mouse, rat, zebrafish, macaque, rhesus

Positive Controls:

WB: HUVEC cells, HeLa cells, LO2 cells

# **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.

#### **Notable Publications**

Author	Pubmed ID	Journal	Application
Lu Qiulun Q	23110058	PLoS One	WB,IHC
Jing Shao	27865839	Biochem Biophys Res Commun	WB
Jinyan Zhao	35608889	FASEBJ	WB,IF

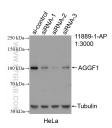
Storage

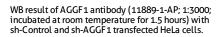
Store at -20°C. Stable for one year after shipment.

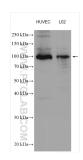
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data







Various lysates were subjected to SDS PAGE followed by western blot with 11889-1-AP (AGGF1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.