

For Research Use Only

AGGF1 Polyclonal antibody

Catalog Number: 11889-1-AP

Featured Product

23 Publications



Basic Information

Catalog Number:

11889-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2497

GenBank Accession Number:

BC029382

GeneID (NCBI):

55109

UNIPROT ID:

Q8N302

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 1:1000-1:8000

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, L02 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	FASEB J	WB, IF

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

*** 20ul sizes contain 0.1% BSA

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



WB result of AGGF1 antibody (11889-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AGGF1 transfected HeLa cells.

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.