

For Research Use Only

# AGGF1 Recombinant antibody, PBS Only

Catalog Number: 84715-3-PBS



## Basic Information

<b>Catalog Number:</b> 84715-3-PBS	<b>GenBank Accession Number:</b> BC029382	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 55109	<b>CloneNo.:</b> 242264E9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8N302	
<b>Isotype:</b> IgG	<b>Full Name:</b> angiogenic factor with G patch and FHA domains 1	
<b>Immunogen Catalog Number:</b> AG2497	<b>Calculated MW:</b> 714 aa, 81 kDa	
	<b>Observed MW:</b> 84-100 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## 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.

## Storage

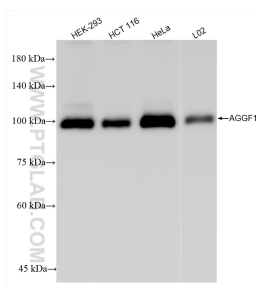
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

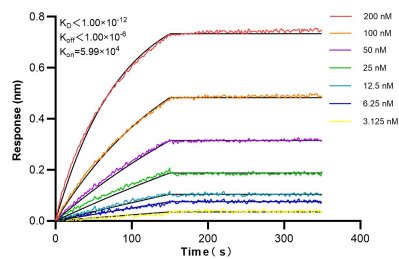
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84715-3-RR (AGGF1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84715-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84715-3-RR against Human AGGF1 were performed. The affinity constant is below 1 pM.