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AGGF1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14242a

Product Information

Application	WB, E
Primary Accession	Q8N302
Other Accession	NP_060516.2
Reactivity	Human
Predicted	Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34271
Calculated MW	80977
Antigen Region	61-90

Additional Information

Gene ID	55109
Other Names	Angiogenic factor with G patch and FHA domains 1, Angiogenic factor VG5Q, hVG5Q, G patch domain-containing protein 7, Vasculogenesis gene on 5q protein, AGGF1, GPATC7, GPATCH7, VG5Q
Target/Specificity	This AGGF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 61-90 amino acids from the N-terminal region of human AGGF1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	AGGF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	AGGF1
Synonyms	GPATC7, GPATCH7, VG5Q

Function	Promotes angiogenesis and the proliferation of endothelial cells. Able to bind to endothelial cells and promote cell proliferation, suggesting that it may act in an autocrine fashion.
Cellular Location	Cytoplasm. Secreted. Note=Cytoplasmic in microvascular endothelial cells. Upon angiogenesis, when endothelial cell tube formation is initiated, it is secreted
Tissue Location	Widely expressed. Expressed in endothelial cells, vascular smooth muscle cells and osteoblasts. Expressed in umbilical vein endothelial cells and microvascular endothelial cells

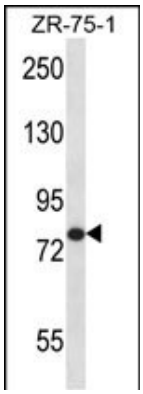
Background

This gene encodes an angiogenic factor that promotes proliferation of endothelial cells. Mutations in this gene are associated with a susceptibility to Klippel-Trenaunay syndrome. Pseudogenes of this gene are found on chromosomes 3, 4, 10 and 16.

References

Fan, C., et al. J. Biol. Chem. 284(35):23331-23343(2009)
Hu, Y., et al. Ann. Hum. Genet. 72 (PT 5), 636-643 (2008) :
Gutierrez, S., et al. Am. J. Med. Genet. A 140(24):2832-2833(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
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Images



AGGF1 Antibody (N-term) (Cat. #AP14242a) western blot analysis in ZR-75-1 cell line lysates (35ug/lane).This demonstrates the AGGF1 antibody detected the AGGF1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.