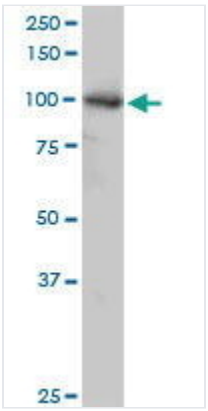
AGGF1 Antibody – Mouse Polyclonal

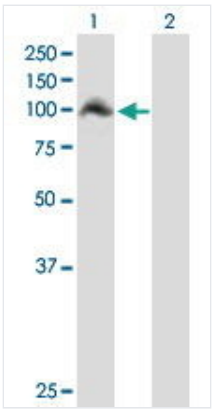
PRODUCT OVERVIEW

Product Name	AGGF1, Polyclonal Antibody
Full Product Name	AGGF1 (GPATC7, GPATCH7, VG5Q, Angiogenic Factor with G Patch and FHA Domains 1, Angiogenic Factor VG5Q, G Patch Domain-containing Protein 7, Vasculogenesis Gene on 5q Protein, FLJ10283, HSU84971, HUS84971)
Product Gene Name	anti-AGGF1 antibody
Product Synonym Names	Anti -AGGF1 (GPATC7, GPATCH7, VG5Q, Angiogenic Factor with G Patch and FHA Domains 1, Angiogenic Factor VG5Q, G Patch Domain-containing Protein 7, Vasculogenesis Gene on 5q Protein, FLJ10283, HSU84971, HUS84971)
Immunogen Sequence	MASEAPSPPR SPPPPTSPEP ELAQLRRKVE KLERELRSCK RQVREIEKLL HHTERLYQNA ESNNQELRTQ VEELSKILQR GRNEDNKKSD VEVQTENHAP WSISDYFYQT YYNDVSLPNK VTELSDQQDQ AIETSILNSK DHLQVENDAY PGTDRTENVK YRQVDHFASN SQEPASALAT EDTSLEGSSL AESLRAAAEA AVSQTGFSYD ENTGLYFDHS TGFYYDSENQ LYYDPSTGIY YYCDVESGRY QFHSRVDLQP YPTSSTKQSK DKKLKKKRKD PDSSATNEEK DLNSEDQKAF SVEHTSCNEE ENFANMKKKA KIGIHHKNSP PKVTVPTSGN TIESPLHENI SNSTSFKDEK IMETDSEPEE GEITDSQTED SYDEAITSEG NVTAEDSEDE DEDKIWPPCI RVIVIRSPVL QIGSLFIITA VNPATIGREK DMEHTLRIPE VGVSKFHAEI YFDHDLQSYV LVDQGSQNGT IVNGKQILQP KTKCDPYVLE HGDEVKIGET VLSFHIHPGS DTCDGCERGQ VRAHLRLDKK DESFVGPTLS KEEKELEGRK ELKKIRVKYG LQNTEYEDEK TLKNPKYKDR AGKRREQVGS EGTFQRDDAP ASVHSEITDS NKGRKLLEKM GWKKGEGLGK DGGGMKTPIQ LQLRRTHAGL GTGKPSSFED VHLLQNKNKK NWDKARERFT ENFPETKPQK DDPGTMPWVK GTLE
Clonality	Polyclonal
Isotype	IgG
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Recognizes human AGGF1.
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for at least 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	80,977 Da
Chromosome Location	Chromosome: 5; NC_000005.9 (76326210..76361059). Location: 5q13.3
OMIM	149000
3D Structure	ModBase 3D Structure for Q8N302
Immunogen	Full length human AGGF1, aa1-714 (AAH32844.1).
Product Categories/Family for anti-AGGF1 antibody	Antibodies; Abs to Disease Markers
Applications Tested/Suitable for anti-AGGF1 antibody	Western Blot (WB), Immunofluorescence (IF)

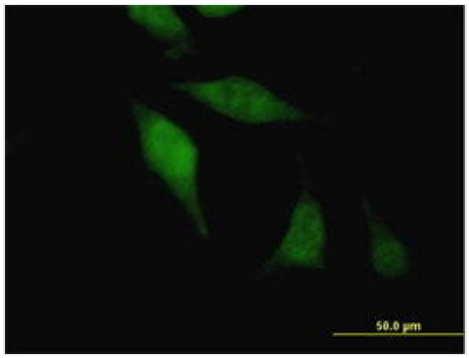
Application Notes for anti-AGGF1 antibody	Suitable for use in Immunofluorescence and Western Blot. Dilution: Immunofluorescence: 10ug/ml
Related Product Information for anti-AGGF1 antibody	This gene encodes an angiogenic factor that promotes proliferation of endothelial cells. Mutations in this gene are associated with a susceptibility to Klippel-Trenaunay syndrome. Pseudogenes of this gene are found on chromosomes 3, 4, 10 and 16.
Other Notes	Small volumes of anti-AGGF1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for AGGF1 purchase	MBS6001527 is an antibody targeting AGGF1. Also known as AGGF1 (GPATC7, GPATCH7, VG5Q, Angiogenic Factor with G Patch and FHA Domains 1, Angiogenic Factor VG5Q, G Patch Domain-containing Protein 7, Vasculogenesis Gene on 5q Protein, FLJ10283, HSU84971, HUS84971). Reactive in Human. Host: Mouse.



Western Blot (WB) of anti-AGGF1 antibody
AGGF1 polyclonal antibody. Western Blot analysis of AGGF1 expression in HeLa.



Western Blot (WB) of anti-AGGF1 antibody
Western Blot analysis of AGGF1 expression in transfected 293T cell line by AGGF1 polyclonal antibody. Lane 1: AGGF1 transfected lysate (78.54kD). Lane 2: Non-transfected lysate.



Immunofluorescence (IF) of anti-AGGF1 antibody
Immunofluorescence of purified antibody to AGGF1 on HeLa cell. [antibody concentration 10ug/ml].

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AGGF1. It may not necessarily be applicable to this product.

NCBI GI #	39725952
NCBI GeneID	55109
NCBI Accession #	NP_060516.2
UniProt Primary Accession #	Q8N302
UniProt Secondary Accession #	O00581; Q53YS3; Q9BU84; Q9NW66
UniProt Related Accession #	Q8N302

GenBank Nucleotide #	NM_018046.4
NCBI Official Full Name	angiogenic factor with G patch and FHA domains 1
NCBI Official Synonym Full Names	angiogenic factor with G patch and FHA domains 1
NCBI Official Symbol	AGGF1
NCBI Official Synonym Symbols	VG5Q; GPATC7; GPATCH7; HSU84971; HUS84971
UniProt Protein Name	Angiogenic factor with G patch and FHA domains 1
UniProt Synonym Protein Names	Angiogenic factor VG5Q; hVG5Q; G patch domain-containing protein 7; Vasculogenesis gene on 5q protein
Protein Family	Angiogenic factor with G patch and FHA domains
UniProt Gene Name	AGGF1
UniProt Synonym Gene Names	GPATC7; GPATCH7; VG5Q; hVG5Q
UniProt Entry Name	AGGF1_HUMAN
NCBI Protein Information	angiogenic factor with G patch and FHA domains 1; angiogenic factor VG5Q; vasculogenesis gene on 5q protein; G patch domain-containing protein 7
UniProt Comments for AGGF1	AGGF1: 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. Defects in AGGF1 are a cause of Klippel-Trenaunay syndrome (KTS). KTS is a congenital disease characterized by malformations of capillary (98% of KTS patients), venous (72%) and lymphatic (11%) vessels, and bony and soft tissue hypertrophy that leads to large cutaneous hemangiomata with hypertrophy of the related bones and soft tissues. 3 isoforms of the human protein are produced by alternative splicing. Protein type: RNA processing; Cell adhesion Chromosomal Location of Human Ortholog: 5q13.3 Cellular Component: perinuclear region of cytoplasm; cytoplasm; extracellular region Molecular Function: protein binding; nucleic acid binding Biological Process: RNA processing; positive regulation of angiogenesis; positive regulation of endothelial cell proliferation; angiogenesis; vasculogenesis; cell adhesion Disease: Klippel-trenaunay-weber Syndrome
Research Articles on AGGF1	**1.** analysis of sphingolipid modulation of angiogenic factor expression in neuroblastoma
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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