

Rabbit anti-Human GIF Polyclonal Antibody | anti-GIF antibody

GIF Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288326	Rabbit	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

GIF; Polyclonal Antibody; GIF Antibody (Center); Gastric intrinsic factor; Intrinsic factor; IF; INF; IFMH; anti-GIF antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This GIF antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 189-218 amino acids from the Central region of human GIF.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	189-218
Sequence Length	417
Applicable Applications for anti-GIF antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Promotes absorption of the essential vitamin cobalamin (Cbl) in the ileum. After interaction with CUBN, the CBLIF-cobalamin complex is internalized via receptor-mediated endocytosis.
Cellular Location	Secreted.
Tissue Location	Gastric mucosa.
Preparation and 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.

IMAGES



FCM/FACS (Flow Cytometry)

GIF Antibody (Center) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IF (Immunofluorescence)

Confocal immunofluorescent analysis of GIF Antibody (Center) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

GIF Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GIF Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

GIF Antibody (Center) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the GIF antibody detected the GIF protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GIF antibody	This gene is a member of the cobalamin transport protein family. It encodes a glycoprotein secreted by parietal cells of the gastric mucosa and is required for adequate absorption of vitamin B12. Vitamin B12 is necessary for erythrocyte maturation and mutations in this gene may lead to congenital pernicious anemia.
Product Categories/Family for anti-GIF antibody	Metabolism ; Signal Transduction
References	Levine, A.J., et al. Cancer Epidemiol. Biomarkers Prev. 19(7):1812-1821(2010) Andersen, C.B., et al. Nature 464(7287):445-448(2010) Ament, A.E., et al. Br. J. Haematol. 144(4):622-624(2009) Remacha, A.F., et al. Ann. Hematol. 87(7):599-600(2008) Mathews, F.S., et al. Proc. Natl. Acad. Sci. U.S.A. 104(44):17311-17316(2007)

NCBI AND UNIPROT INFORMATION

NCBI GI #	32189398
NCBI GeneID	2694
NCBI Accession #	NP_005133.2
NCBI GenBank Nucleotide #	NM_005142.2
UniProt Accession #	P27352 ; B2RAN8 ; B4DVZ1
NCBI Official Full Name	gastric intrinsic factor
NCBI Official Synonym Full Names	gastric intrinsic factor (vitamin B synthesis)
NCBI Official Symbol	GIF
NCBI Official Synonym Symbols	IF; INF; IFMH; TCN3
NCBI Protein Information	gastric intrinsic factor
UniProt Protein Name	Gastric intrinsic factor
UniProt Gene Name	GIF
UniProt Synonym Gene Names	IFMH; IF; INF
UniProt Entry Name	IF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gif-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/288326>