10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GIF Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12975C

Specification

GIF Antibody (Center) - Product Information

Application	**IF, WB, IHC-P, FC,E**
Primary Accession	P27352
Other Accession	NP_005133.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Antigen Region	**189-218**

GIF Antibody (Center) - Additional Information

Gene ID 2694

Other Names
Gastric intrinsic factor, Intrinsic factor, IF, INF, GIF, IFMH

Target/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.

Dilution
IF~~1:10~50
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

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
GIF Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

GIF Antibody (Center) - Protein Information

Name CBLIF (HGNC:4268)

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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.

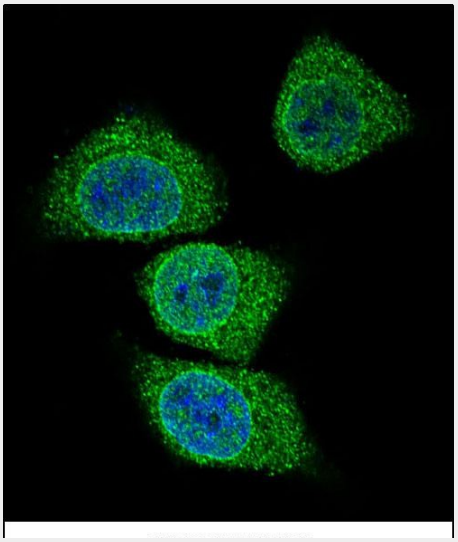
Tissue Location
Gastric mucosa.

GIF Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GIF Antibody (Center) - Images



Confocal immunofluorescent analysis of GIF Antibody (Center) (Cat#AP12975c) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit lgG (green). DAPI was used to stain the cell nuclear (blue).

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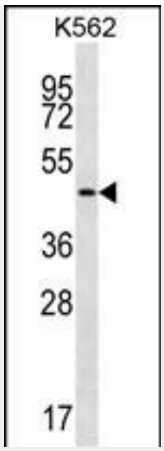
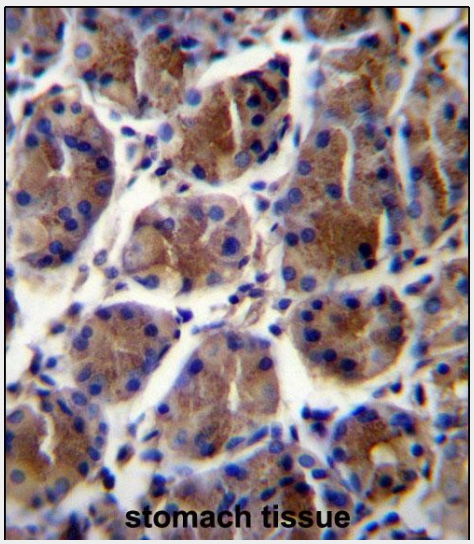
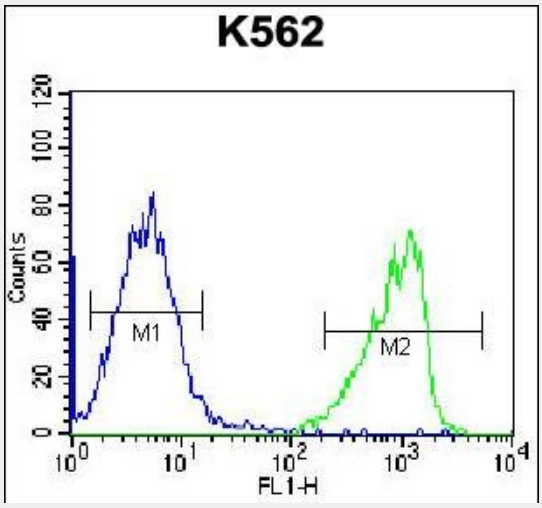


GIF Antibody (Center) (Cat. #AP12975c) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the GIF antibody detected the GIF protein (arrow).



GIF Antibody (Center) (Cat. #AP12975c)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.



GIF Antibody (Center) (Cat. #AP12975c) 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.

GIF Antibody (Center) - Background

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.

GIF Antibody (Center) - 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)
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