

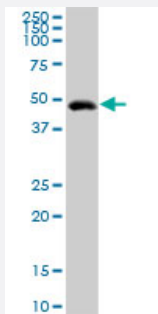
MaxPab®

# GIF purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00002694-D01P

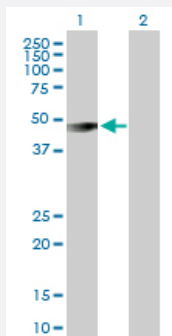
Size 100 ug

## Applications



### Western Blot (Tissue lysate)

GIF MaxPab rabbit polyclonal antibody. Western Blot analysis of GIF expression in mouse stomach.



### Western Blot (Transfected lysate)

Western Blot analysis of GIF expression in transfected 293T cell line ([H00002694-T01](#)) by GIF MaxPab polyclonal antibody.

Lane 1: GIF transfected lysate(45.40 kDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit polyclonal antibody raised against a full-length human GIF protein.

### Immunogen

GIF (NP\_005133.2, 1 a.a. ~ 417 a.a) full-length human protein.

### Sequence

MAWFALYLLSLLWATAGTSTQTQSSCSVPSAQEPLVNGIQVLMENSVTSSAYPNPSILIAMNLAGA  
YNLKAQKLLTYQLMSSDNDLTIGQLGLTIMALTSSCRDPGDKVSILQRQMENWAPSSPNAEASA  
FYGPSLAILALCQKNSEATLPIAVRFAKTLLANSSPFNVDTGAMATLALTCMYNKIPVGSEEGYRSL  
FGQVLKDVEKISMKIKDNGIIGDIYSTGLAMQALSVTPEPSKKEWNCKKTTDMILNEIKQGKFHNPM  
SIAQILPSLKGKTYLDVPQVTCSPDHEVQPTLPSNPGPGPTSASNITVIYINNQLRGVELLFNETINV  
SVKSGSVLLVLEEAQRKNPMFKFETMTSWGLVVSSINNAENVNHKTYWQFLSGVTPLNEGVA  
DYIPFNHEHITANFTQY

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Host                    | Rabbit                                                                   |
| Reactivity              | Human, Mouse                                                             |
| Quality Control Testing | Antibody reactive against mammalian transfected lysate.                  |
| Storage Buffer          | In 1x PBS, pH 7.4                                                        |
| Storage Instruction     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |

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[Protocol Download](#)

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[Protocol Download](#)

## Gene Info — GIF

|                     |                                                |
|---------------------|------------------------------------------------|
| Entrez GeneID       | <a href="#">2694</a>                           |
| GeneBank Accession# | <a href="#">NM_005142.2</a>                    |
| Protein Accession#  | <a href="#">NP_005133.2</a>                    |
| Gene Name           | GIF                                            |
| Gene Alias          | IF, IFMH, INF, TCN3                            |
| Gene Description    | gastric intrinsic factor (vitamin B synthesis) |
| Omim ID             | <a href="#">261000 609342</a>                  |
| Gene Ontology       | <a href="#">Hyperlink</a>                      |

**Gene Summary**

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. [provided by RefSeq]

**Other Designations**

-

## Publication Reference

- [Epithelial BMP signaling is required for proper specification of epithelial cell lineages and gastric endocrine cells.](#)

Maloum F, Allaire JM, Gagne-Sansfacon J, Roy E, Belleville K, Sarret P, Morisset J, Carrier JC, Mishina Y, Kaestner KH, Perreault N.

American Journal of Physiology. Gastrointestinal and Liver Physiology 2011 Jun; 300(6):G1065.

Application: IF, Mouse, Zymogenic cells

## Disease

- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Microsatellite Instability](#)