

Gastric intrinsic factor Polyclonal Antibody

Catalog No: #42180

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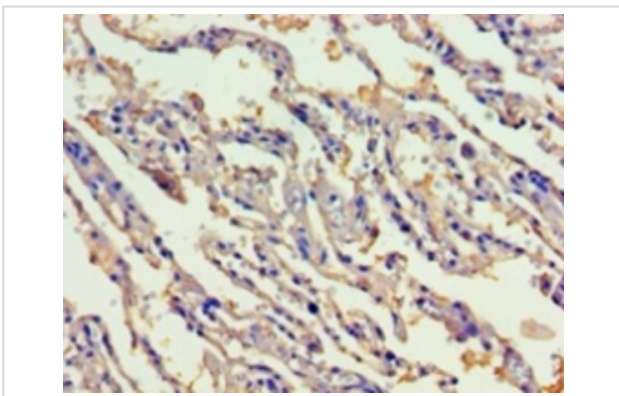
Description

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|-----------------------|----------------------------------------------------------------------------------------------|
| Product Name | Gastric intrinsic factor Polyclonal Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Caprylic Acid Ammonium Sulfate Precipitation purified |
| Applications | IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of total Gastric intrinsic factor polyclonal antibody. |
| Immunogen Type | protein |
| Immunogen Description | Recombinant human Gastric intrinsic factor proteinB£B"19-417aaB£B© |
| Target Name | Gastric intrinsic factor |
| Other Names | Intrinsic factor, IF, INF, IFMH, GIF |
| Accession No. | Swiss-Prot#: P27352 |
| Uniprot | P27352 |
| GeneID | 2694; |
| Formulation | Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4 |
| Storage | Store at -20°C |

Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human lung tissue using #42180 at dilution of 1:100.

Background

Promotes absorption of the essential vitamin cobalamin (Cbl) in the ileum. After interaction with CUBN, the GIF-cobalamin complex is internalized via receptor-mediated endocytosis.

References

- [1]"Hereditary juvenile cobalamin deficiency caused by mutations in the intrinsic factor gene." Tanner S.M., Li Z., Perko J.D., Oener C., Cetin M., Altay C., Yurtsever Z., David K.L., Faivre L., Ismail E.A., Graesbeck R., de la Chapelle A. Proc. Natl. Acad. Sci. U.S.A. 102:4130-4133(2005). [2]"A genetic polymorphism in the coding region of the gastric intrinsic factor gene (GIF) is associated with congenital intrinsic factor deficiency." Gordon M.M., Brada N., Remacha A., Badell I., del Rio E., Baiget M., Santer R., Quadros E.V., Rothenberg S.P., Alpers D.H. Hum. Mutat. 23:85-91(2004). [3]"Structural basis for receptor recognition of vitamin-B(12)-intrinsic factor complexes." Andersen C.B., Madsen M., Storm T., Moestrup S.K., Andersen G.R. Nature 464:445-448(2010).
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Note: This product is for in vitro research use only