

GUCY2C Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50379

Clone# BP6346

Predicted Molecular Wt: 123kDa

Species Cross-reactivity: Human

Applications: IHC-P

Purity: ProA affinity purified IgG

Form: Liquid

Swissprot ID: P25092

Background:

Guanylyl cyclase C (GUCY2C) is a type I transmembrane glycoprotein whose expression in normal tissue is largely restricted to the apical membranes of polarized epithelial cells of the intestine. The guanylyl cyclase activity within the intracellular domain of GUCY2C is activated by binding exogenous bacterial enterotoxins and the endogenous peptide hormone agonists, guanylin and uroguanylin, which facilitates production of the second messenger cGMP.

GUCY2C is highly and selectively expressed in intestinal epithelial cells throughout the gastrointestinal tract—most prominently in the colon—with only low-level expression in a few extra-intestinal tissues such as the kidney, prostate, and select immune cells, and is largely absent from normal non-gut tissues.

GUCY2C serves as a tissue-specific biomarker for detecting lymph node micrometastases in colorectal cancer and represents a molecular target for diagnostic imaging and targeted therapy of metastatic disease.

Subcellular location:

Membrane/Cytoplasm

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

The synthetic peptide corresponding to Human GUCY2C aa 1024-1073

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

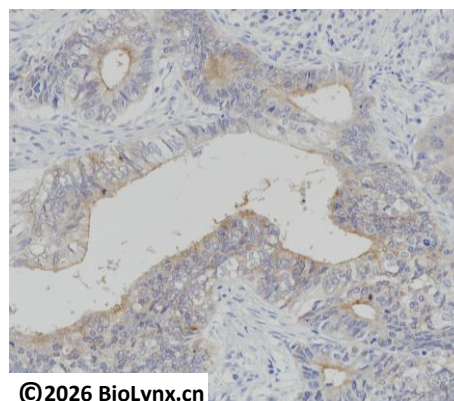
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

- Huimin Guo, et al. (2025) Discover oncology 16:1624
- Mathur, D. et al. (2020) Clin Cancer Res 26, 2188-2202.



©2026 BioLynx.cn

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon cancer labelling GUCY2C with BP6346.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.