

Recombinant Monoclonal Anti-GUCY2C Antibody, Rabbit (P1H7)

Catalog # HGS-M2721



Background

Recombinant Monoclonal Anti-GUCY2C Antibody, Rabbit (P1H7) is a GUCY2C primary antibody for IHC application. GUCY2C binds the endogenous peptides guanylin and uroguanylin as well as the heat-stable *E. coli* enterotoxin. It converts those extracellular signals into cyclic GMP production and links ligand recognition to intracellular signaling at the plasma membrane and endoplasmic reticulum membrane. GUCY2C protein is expressed prominently in the gastrointestinal tract, with additional expression in the proximal digestive tract and renal system.

Product Specifications

Host Species	Rabbit
Isotype	Rabbit IgG, Rabbit Kappa
Clone	P1H7
Application	IHC-P
Dilution Ratio	1: 100 - 1: 500
Form	Liquid
Clonality	Monoclonal
Reactivity	Human
Synonyms	GC-C
Concentration	0.9~1.1 mg/ml
Specificity	React with GUCY2C protein on the membrane of target cell/tissue
Purification Tech	Fc-Tag
Preservation	PBS, 11% Trehalose, 40% Glycerol, 0.03% Proclin 300, 0.05% BSA (pH7.3)

Experiment Protocol

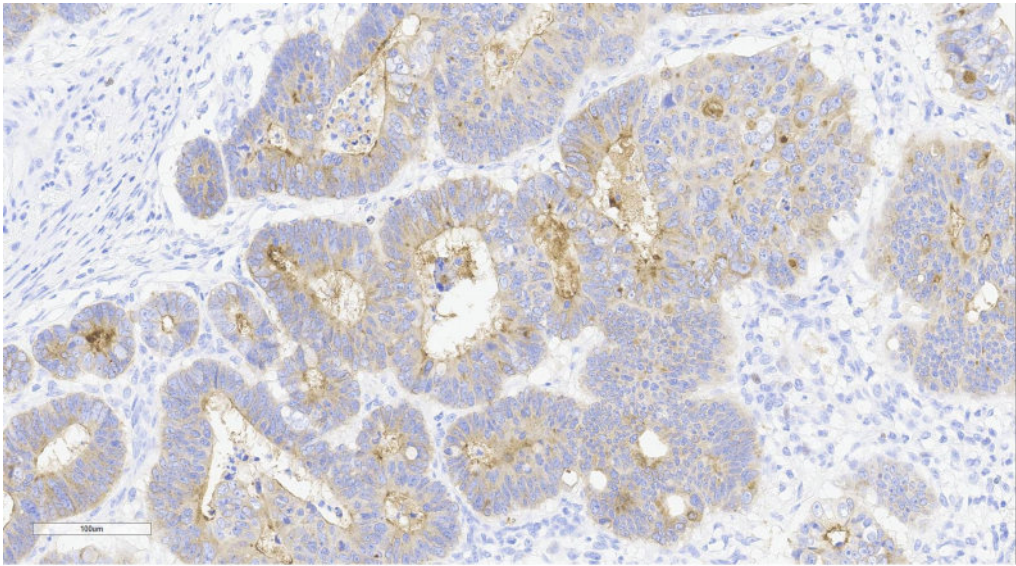
Storage

Shipped at 4°C, Blue Ice. Store at +4°C for short term (1-2 weeks). Store at -20°C for long term. Avoid freeze / thaw cycle. Upon delivery aliquot. The shelf life is 30 days from the date of opening.

ACRO Quality Management System

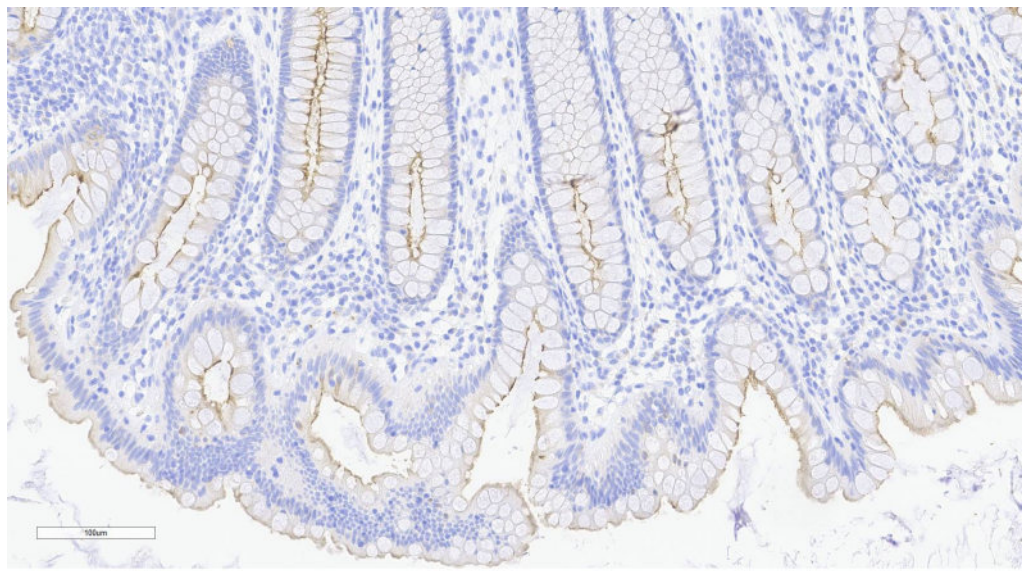
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

Sample Staining Data



Recombinant Monoclonal Anti-GUCY2C Antibody, Rabbit (P1H7) - Immunohistochemistry (FFPE Sections)
Human Colorectal Cancer, 20X

Immunohistochemical analysis of paraffin embedded human colorectal cancer labelled with HGS-M2721 at 1/100 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



Recombinant Monoclonal Anti-GUCY2C Antibody, Rabbit (P1H7) - Immunohistochemistry (FFPE Sections)
Human Colon Tissue, 20X

Immunohistochemical analysis of paraffin embedded human colon tissue labelled with HGS-M2721 at 1/100 dilution.
Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with LEICA BOND IHC staining protocol.



www.acrobiosystems.com