

GUCY2C Polyclonal antibody

Catalog Number: 23011-1-AP

Basic Information

Catalog Number:

23011-1-AP

Size:

N/A

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG19256

GenBank Accession Number:

BC136544

GeneID (NCBI):

2984

UNIPROT ID:

P25092

Full Name:

guanylate cyclase 2C (heat stable enterotoxin receptor)

Calculated MW:

1073 aa, 123 kDa

Purification Method:

Antigen Affinity purified

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

GUCY2C is also named as GUC2C, STAR(Heat-stable enterotoxin receptor), Guanylyl cyclase C and belongs to the adenylyl cyclase class-4/guanylyl cyclase family. It is a receptor for the E.coli heat-stable enterotoxin and considered to be the true apical membrane receptor for the endogenous ligands uroguanylin and guanylin. GUCY2C is not present in the endocrine pancreas, but is localized exclusively to the ductal system which fully corresponds to the GUCY2C activity detected in the exocrine ductal system, but particularly not in islets of Langerhans. GUCY2C with a molecular mass of 130 kDa is detected in pancreatic and intestinal extracts.(PMID:11431160). The full length protein is 123 kDa and has a signal peptide and nine glycosylation sites.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

