

For Research Use Only

GUCY2C Monoclonal antibody, PBS Only



Catalog Number: 67782-1-PBS

Basic Information

Catalog Number: 67782-1-PBS	GenBank Accession Number: BC136544	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 2984	CloneNo.: 1F5F6
Source: Mouse	UNIPROT ID: P25092	
Isotype: IgG1	Full Name: guanylate cyclase 2C (heat stable enterotoxin receptor)	
Immunogen Catalog Number: AG19256	Calculated MW: 1073 aa, 123 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications:
WB, Indirect 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

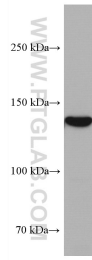
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Caco-2 cells were subjected to SDS PAGE followed by western blot with 67782-1-Ig (GUCY2C antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67782-1-PBS in a different storage buffer formulation.