

For Research Use Only

GUCY2C Monoclonal antibody

Catalog Number: 67782-1-Ig



Basic Information

Catalog Number: 67782-1-Ig	GenBank Accession Number: BC136544	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 2984	CloneNo.: 1F5F6
Source: Mouse	Full Name: guanylate cyclase 2C (heat stable enterotoxin receptor)	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Calculated MW: 1073 aa, 123 kDa	
Immunogen Catalog Number: AG19256	Observed MW: 130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Caco-2 cells, HaCaT cells, HeLa cells
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

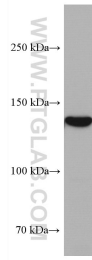
Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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.