

Anti-GM130 (C-terminal region) Antibody

Catalog # AN1804

Specification

Anti-GM130 (C-terminal region) Antibody - Product Information

Primary AccessionQ0837ReactivityBovingHostMouseClonalityMouseIsotypeIgG1Calculated MW11308
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Anti-GM130 (C-terminal region) Antibody - Additional Information

Gene ID Other Names GOLGA2, golgi autoantigen

2801

Target/Specificity

Golgi Matrix Protein (GM130) is a peripheral cytoplasmic protein that is bound to Golgi membranes. It maintains cis-Golgi structure, and it regulates the disassembly and reassembly of the Golgi complex during mitosis. GM130 may also be important during docking and fusion of coatomer (COPI) coated vesicles to the Golgi membrane. The carboxy-terminal domain of GM130 is highly homologous to the human auto-antigen, golgin-95. GM130 interacts in a GTP-dependent manner with Rab1b protein, a regulator of anterograde traffic between ER and Golgi membranes. It has also been implicated in the activation of Ste-kinase, YSK1, during the golgi reorganization that occurs along with cell migration.

Dilution WB~~1:1000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Anti-GM130 (C-terminal region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

Anti-GM130 (C-terminal region) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

<u>Western Blot</u>



- <u>Blocking Peptides</u>
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

Anti-GM130 (C-terminal region) Antibody - Images



Immunocytochemical labeling of GM130 in C2C12 cells. The cells were double-labeled with GM130 (golgi protein) mouse monoclonal and nSMase-3 rabbit polyclonal antibodies, then detected using appropriate secondary antibody conjugated to Cy2 or Cy3.

	1	2	3
kDa			
140 100	-	-	•
70	_		
50			
	GM1:	30 GM	3421

Western blot analysis of GM130 expression in human cells: MCF7 breast carcinoma (lane 1), A549 adenocarcinoma (lane 2), and MDA-MB-231 breast carcinoma (lane 3). The blot was probed with mouse monoclonal anti-GM130 (C-terminal region) at 1:500.

Anti-GM130 (C-terminal region) Antibody - Background

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complex during mitosis. GM130 may also be important during docking and fusion of coatomer (COPI) coated vesicles to the Golgi membrane. The carboxy-terminal domain of GM130 is highly homologous to the human auto-antigen, golgin-95. GM130 interacts in a GTP-dependent manner with Rab1b protein, a regulator of anterograde traffic between ER and Golgi membranes. It has also been implicated in the activation of Ste-kinase, YSK1, during the golgi reorganization that occurs along with cell migration.