

Anti-GM130 (C-terminal region) Antibody
Catalog # AN1804**Specification**

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

Application	WB
Primary Accession	Q08379
Reactivity	Bovine
Host	Mouse
Clonality	Mouse Monoclonal
Isotype	IgG1
Calculated MW	113086

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

Gene ID	2801
Other Names	
GOLGA2, golgi autoantigen	

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 coatamer (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

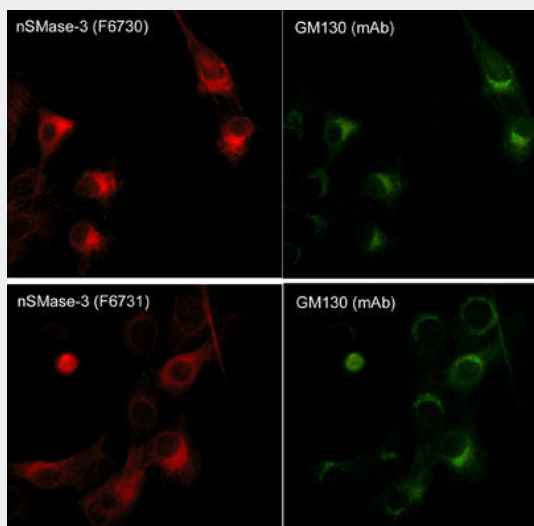
Anti-GM130 (C-terminal region) Antibody - Protocols

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

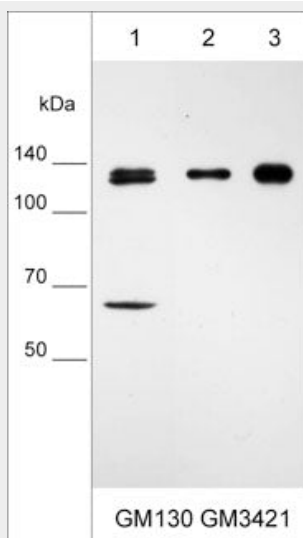
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.



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

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 coatamer (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.