

Mouse GM130 Monoclonal Antibody | anti-GM130 antibody

GM130 (C-terminal region) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71644	Mouse	Human, Rat, Mouse	Immunocytochemistry, ELISA, Western Blot

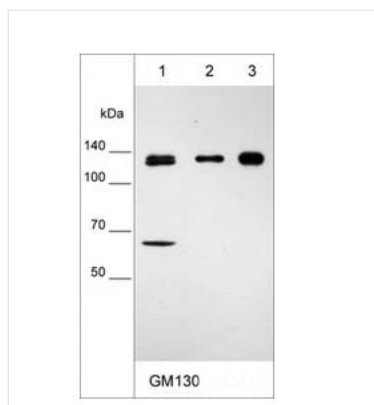
PRODUCT SYNONYMS

GM130; Monoclonal Antibody; GM130 (C-terminal region) Antibody; GM130 (C-terminal region); anti-GM130 antibody

PRODUCT SPECIFICATIONS

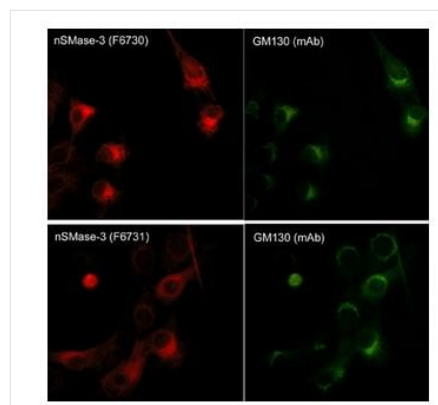
Host	Mouse
Reactivity	Human, Rat, Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	M342
Specificity	This antibody detects a 130kDa* protein corresponding to the apparent molecular mass of GM130 on SDS-PAGE immunoblots of mouse C2C12 cells. In immunocytochemistry, anti-GM130 specifically stains Golgi in mouse C2C12 cells.
Purity/Purification	Protein A chromatography
Form/Format	Mouse monoclonal purified with protein A chromatography is supplied in 100ul phosphate-buffered saline, 50% glycerol, 1mg/ml BSA, and 0.05% sodium azide.
Applicable Applications for anti-GM130 antibody	ICC (Immunocytochemistry), ELISA, WB (Western Blot)
Immunogen	Clone M342 was generated from a recombinant protein corresponding to amino acid residues in the C-terminal region of human GM130. This sequence has high homology to similar regions in rat and mouse GM130.
Preparation and Storage	Store at -20 degree C. Stable for 1 year.

IMAGES



WB (Western Blot)

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.



ICC (Immunocytochemistry)

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.

ADDITIONAL INFORMATION

Related Product Information for anti-GM130 antibody	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.
References	Weide, T. et al. (2001) EMBO Rep 2:336. Nakamura, N. et al. (1995) J Cell Biol 131:1715. Warren, G. (1993) Annual Rev Biochem 62:323.

NCBI AND UNIPROT INFORMATION

NCBI GI #	194097392
NCBI GeneID	2801
NCBI Accession #	NP_004477.3
NCBI GenBank Nucleotide #	NM_004486.4
UniProt Accession #	Q08379; Q6GRM9; Q9BRB0; Q9NYF9; A0A0C4DGS5
Molecular Weight	70,473 Da
NCBI Official Full Name	golgin subfamily A member 2
NCBI Official Synonym Full Names	golgin A2
NCBI Official Symbol	GOLGA2
NCBI Official Synonym Symbols	GM130
NCBI Protein Information	golgin subfamily A member 2
UniProt Protein Name	Golgin subfamily A member 2
UniProt Gene Name	GOLGA2
UniProt Synonym Gene Names	GM1301 PublicationManual assertion based on opinion iniRef.1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gm130-antibody-clone-m342-immunocytochemistry-western-blot-elisa/71644>