RD SYSTEMS a biotechne brand

Human GM130/GOLGA2 Antibody

Recombinant Monoclonal Rabbit IgG Clone # 2059C Catalog Number: MAB81991

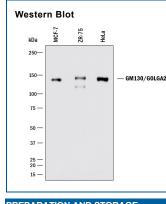
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human GM130/GOLGA2 in direct ELISAs and Western blots.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2059C
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli-</i> derived recombinant human GM130/GOLGA2 Met258-Gln606 Accession # Q08379
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either Ivophilized or as a 0.2 μm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

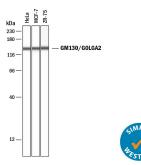
	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below
Simple Western	10 μg/mL	See Below

DATA



Detection of Human GM130/GOLGA2 by Western Blot. Western blot shows lysates of MCF-7 human breast cancer cell line, ZR-75 human breast cancer cell line, and HeLa human cervical epithelial carcinoma cell line. PVDF membrane was probed with 1 µg/mL of Rabbit Anti-Human GM130/GOLGA2 Monoclonal Antibody (Catalog # MAB81991) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # Catalog # HAF008). A specific band was detected for GM130/ GOLGA2 at approximately 130 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Simple Western



Detection of Human GM130/GOLGA2 by Simple Western[™]. Simple Western lane view shows lysates of HeLa human cervical epithelial carcinoma cell line, MCF-7 human breast cancer cell line, and ZR-75 human breast cancer cell line, loaded at 0.2 mg/mL. A specific band was detected for GM130/GOLGA2 at approximately 141 kDa (as indicated) using 10 µg/mL of Rabbit Anti-Human GM130/GOLGA2 Monoclonal Antibody (Catalog # MAB81991) . This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

PREPARATION AND STORAGE				
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.			
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C			
Stability & Storage	 Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution. 			

BACKGROUND

GM130, also known as Golgin subfamily A member 2 and GOLGA2, is a 130 kDa member of the Golgin protein family. GM130/GOLGA2 is a component of the Golgi membrane involved in maintaining cis-Golgi structure. GM130/GOLGA2 protein is thought to play roles in the stacking of Golgi cisternae and in vesicular transport. Several alternatively spliced transcript variants of this gene have been predicted. Human GM130/GOLGA2 protein is 1002 amino acids (aa) in length, and over aa 528-606, shares 90% sequence identity with its mouse and rat orthologs.

PRODUCT SPECIFIC NOTICES

* Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to SDS for additional information and handling instructions.

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