

Anti-GM130 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

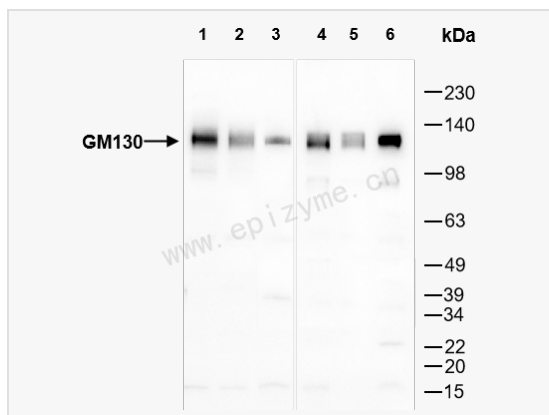
Catalog # R014878

Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:2,000~1:10,000; IHC-P 1:200~1:1,000; IF 1:200~1:1000
Host	Rabbit
Clonality	Monoclonal
Clone No.	45G95G69
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human GM130
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-GM130 Rabbit mAb [45G95G69] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	130 kDa cis Golgi matrix protein, 130 kDa cis-Golgi matrix protein, Cis golgi matrix protein GM130, GM130, Gm130 autoantigen, GOGA2_HUMAN, GOLGA 2, Golga2, Golgi autoantigen, Golgi autoantigen golgin subfamily a 2, Golgi matrix protein GM130, Golgin 95, golgin A2, Golgin subfamily a 2, Golgin subfamily A member 2, Golgin-95, MGC20672, SY11 protein.
Calculated MW	Calculated MW: 113 kDa; Observed MW: 130 kDa
Uniprot ID	Q08379
Gene ID	2801
Background	The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This encoded protein has been postulated to play roles in the stacking of Golgi cisternae and in vesicular transport. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of these variants has not been determined. [provided by RefSeq, Feb 2010]
Cellular Location	Golgi apparatus > Golgi stack membrane.



Western Blot - Anti-GM130 Rabbit mAb [45G95G69]

All lanes: R014878 at 1:5,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: 293T (Human embryonic kidney cell) whole cell lysates

Lane 4: SCC-9 (Human tongue squamous carcinoma epithelial cell) whole cell lysates

Lane 5: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 6: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

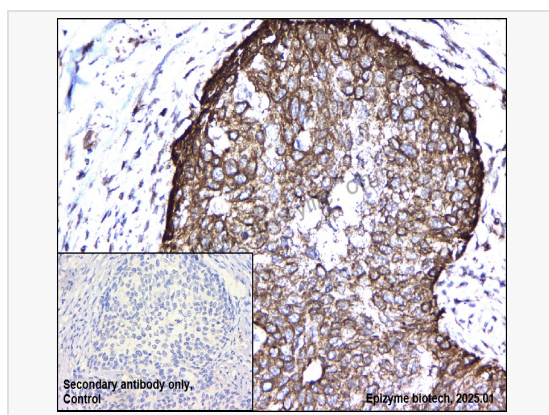
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 113 kDa

Observed band size: 130 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-GM130 Rabbit mAb [45G95G69]

Sample: Paraformaldehyde-fixed, paraffin embedded human cervical cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014878 at 1:600 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.