Anti-GM130 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M016241

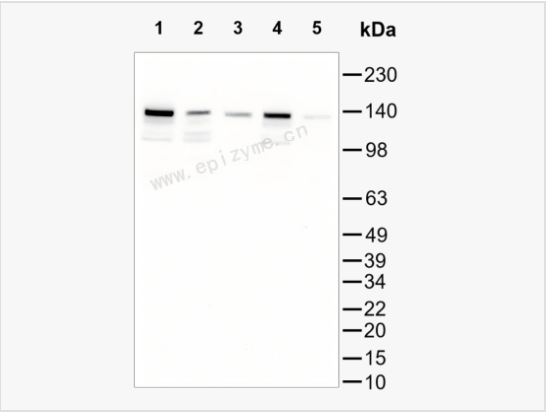
Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:2,000
Host	Mouse
Clonality	Monoclonal
Clone No.	43Q04C16
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein corresponding to Human GM130
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% 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 Mouse mAb [43Q04C16] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Golgin subfamily A member 2; 130 kDa cis-Golgi matrix protein; GM130 autoantigen; Golgin-95; GM130; GOLGA2.
Calculated MW	Calculated MW: 112 kDa; Observed MW: 139 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, cis-Golgi network membrane (peripheral membrane protein); Endoplasmic reticulum-Golgi intermediate compartment membrane (peripheral membrane protein); Cytoplasm, cytoskeleton, spindle pole. Note: associates with the mitotic spindle during mitosis; peripheral membrane component of the cis-Golgi stack.
Tissue Location	Ubiquitous expression (NCBI: ubiquitous expression in prostate, esophagus and 25 other tissues).

Validation Images



Western Blot - Anti-GM130 Mouse mAb [43Q04C16]
All lanes: M016241 at 1:1,000 dilution
Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates
Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates
Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates
Lane 4: MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates
Lane 5: 293T (Human embryonic kidney cell) whole cell lysates
Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution
Lysates/proteins at 10 µg per lane.
Predicted band size: 112 kDa
Observed band size: 139 kDa
Developed using the ECL technique (Cat. No. SQ201).