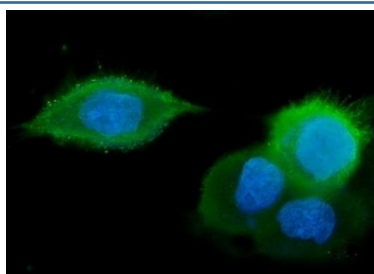


## GM130 Antibody [clone 4G3] (RQ4921)

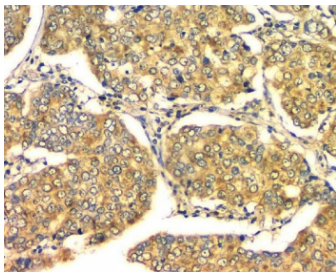
Catalog No.	Formulation	Size
RQ4921	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

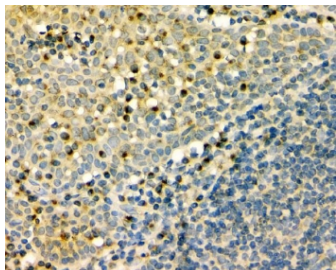
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2b
<b>Clone Name</b>	4G3
<b>Purity</b>	Purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	Q08379
<b>Localization</b>	Cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml Immunofluorescence : 2-4ug/ml Flow Cytometry : 1-3ug/million cells
<b>Limitations</b>	This GM130 antibody is available for research use only.



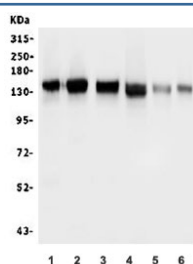
Immunofluorescent staining of FFPE human A431 cells with GM130 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



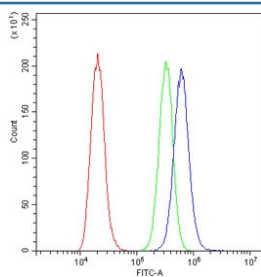
IHC staining of FFPE human breast cancer with GM130 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with GM130 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) placenta, 2) K562, 3) Caco-2, 4) A549, 5) A431 and 6) HEK293 cell lysate with GM130 antibody. Predicted molecular weight ~130 kDa.



Flow cytometry testing of human A431 cells with GM130 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GM130 antibody.

## Description

Golgin subfamily A member 2 is a protein that in humans is encoded by the GOLGA2 gene. 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.

## Application Notes

Optimal dilution of the GM130 antibody should be determined by the researcher.

## Immunogen

Amino acids E796-E913 from the human protein were used as the immunogen for the GM130 antibody.

## Storage

After reconstitution, the GM130 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.