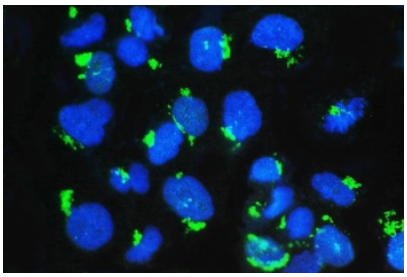
GM130 Antibody / GOLGA2 (RQ4570)

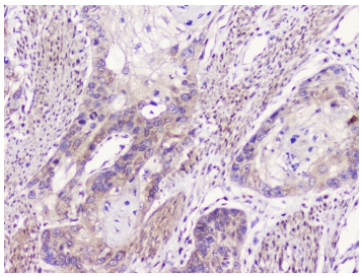
Catalog No.	Formulation	Size
RQ4570	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

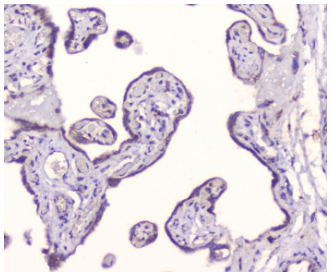
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q08379
Localization	Cytoplasmic
Applications	Western Blot : 0.5-1ug/ml Immunohistochemistry (FFPE & Frozen) : 1-2ug/ml Immunofluorescence : 2-5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml (recombinant human protein)
Limitations	This GM130 antibody is available for research use only.



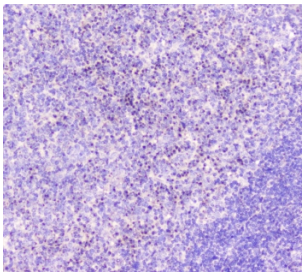
Immunofluorescent staining of FFPE human U-2 OS cells with GM130 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



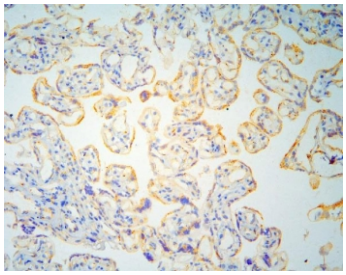
IHC staining of FFPE human esophagus squama cancer with GM130 antibody at 0.5ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



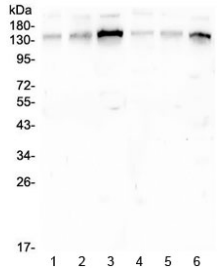
IHC staining of FFPE human placenta with GM130 antibody at 0.5ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



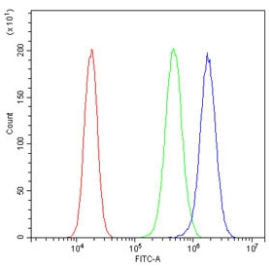
IHC staining of FFPE human tonsil with GM130 antibody at 0.5ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



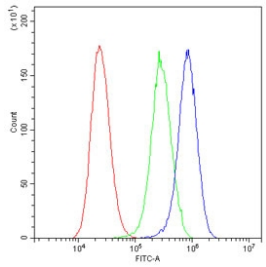
IHC staining of frozen human placental tissue with GM130 antibody.



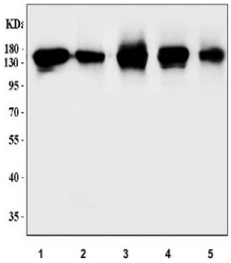
Western blot testing of human 1) placenta, 2) A549, 3) K562, 4) HL-60, 5) MCF-7 and 6) Caco-2 cell lysate with GM130 antibody at 0.5ug/ml. Predicted molecular weight ~130 kDa.



Flow cytometry testing of human PC-3 cells with GM130 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GM130 antibody.



Flow cytometry testing of human U-2 OS cells with GM130 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GM130 antibody.



Western blot testing of human 1) HEK293, 2) Jurkat, 3) HeLa, 4) U-87 MG and 5) PC-3 cell lysate with GM130 antibody at 0.5ug/ml. Predicted molecular weight ~130 kDa.

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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com