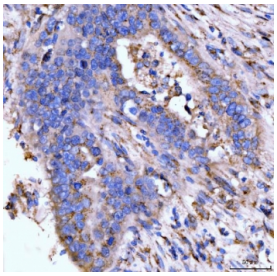
Giantin Antibody / GOLGB1 (RQ6771)

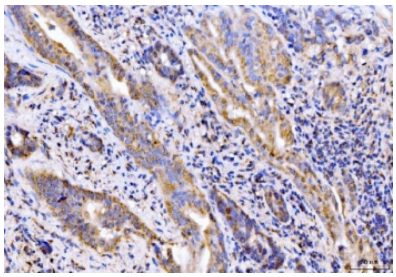
Catalog No.	Formulation	Size
RQ6771	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

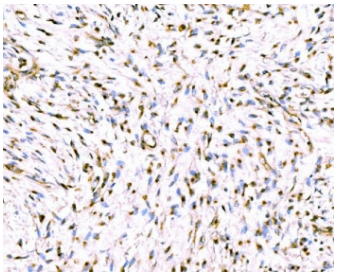
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q14789
Localization	Cytoplasmic (Golgi)
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Immunofluorescence (FFPE): 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Giantin antibody is available for research use only.



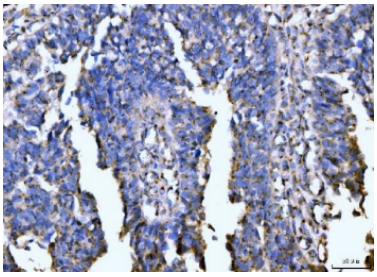
IHC staining of FFPE human appendiceal adenocarcinoma tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



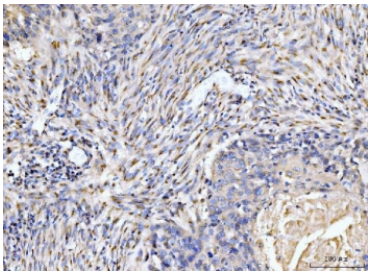
IHC staining of FFPE human gall bladder adenosquamous carcinoma tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



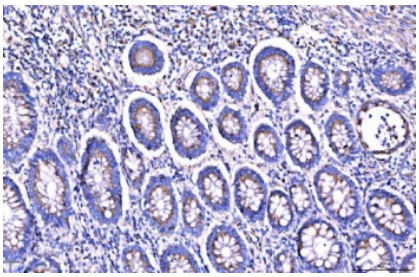
IHC staining of FFPE human breast cancer tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



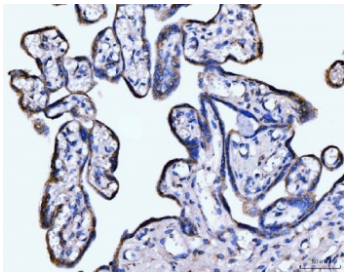
IHC staining of FFPE human colonic adenocarcinoma tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



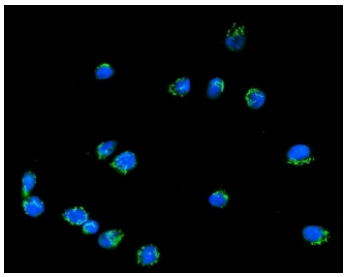
IHC staining of FFPE human esophageal squamous carcinoma tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



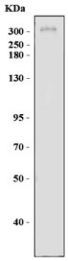
IHC staining of FFPE human gastric adenocarcinoma tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



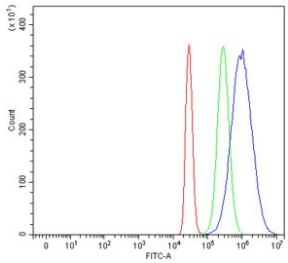
IHC staining of FFPE human placental tissue with Giantin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Immunofluorescent staining of FFPE human RT4 cells with Giantin antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human HeLa cell lysate with Giantin antibody. Predicted molecular weight ~376 kDa.



Flow cytometry testing of human HepG2 cells with Giantin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Giantin antibody.

Description

Giantin or Golgin subfamily B member 1 is a protein that in humans is encoded by the GOLGB1 gene. GOLGB1, also known as Giantin and Macrogolgin, is a 360 to 400 kDa member of the Golgin protein family. GOLGB1 is an integral component of the Golgi membrane that associates with the cytoskeleton. It may be involved in both forming intercisternal cross-bridges that mediate stacking in Golgi complexes, and in reorganizing the complexes after they fragment during mitosis. GOLGB1 has also been identified as an autoantigen in chronic rheumatoid arthritis, and in the autoimmune disease Sjoegren syndrome.

Application Notes

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

Immunogen

Recombinant human protein (amino acids L153-E950) was used as the immunogen for the Giantin antibody.

Storage

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

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