

Product datasheet

Anti-Golgin 97 antibody ab84340

★★★★★ [6 Abreviews](#) [18 References](#) [6 Images](#)

Overview

Product name	Anti-Golgin 97 antibody
Description	Rabbit polyclonal to Golgin 97
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide corresponding to Human Golgin 97 aa 750 to the C-terminus (C terminal) conjugated to keyhole limpet haemocyanin. (Peptide available as ab34458)
Positive control	ICC/IF: HeLa, HepG2, MCF7 and hCMEC/D3 cells. IHC-P: Human breast carcinoma tissue. IHC-P: Normal Human Pancreas tissue.
General notes	<p>ab84340 is raised using the same immunogen as ab33701. Batches sold under ab84340 have passed QC testing in ICC/IF and IHC. In our hands, this product did not work in WB. For further information please contact our Customer Services team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising

agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

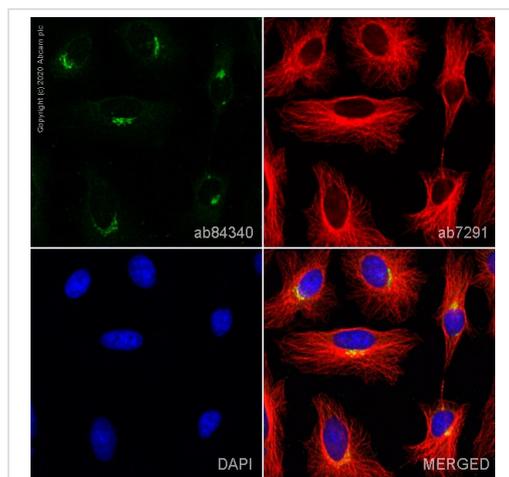
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab84340 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF	★★★★★ (4)	Use a concentration of 5 µg/ml. Suitable for cells that have been fixed with 100% Methanol (5 mins) or 4% PFA (10 mins).
IHC-P	★★★★★ (1)	Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

Target

Function	Probably involved in maintaining Golgi structure.
Sequence similarities	Contains 1 GRIP domain.
Domain	Extended rod-like protein with coiled-coil domains.
Cellular localization	Golgi apparatus > Golgi stack membrane.

Images

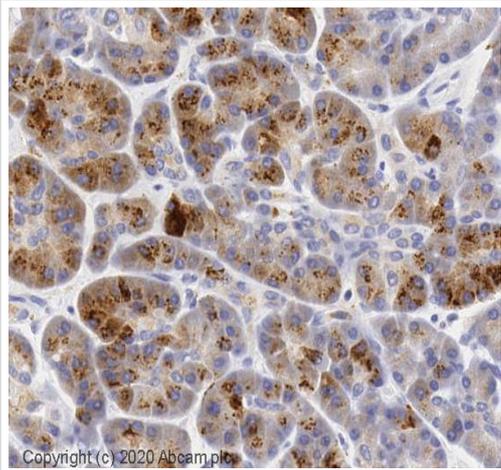


Immunocytochemistry/ Immunofluorescence - Anti-Golgin 97 antibody (ab84340)

ab84340 staining Golgin 97 in HeLa cells. The cells were fixed with 100% Methanol (5min), permeabilized with 0.1%PBS-Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1%PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab84340 at 5µg/ml and **ab7291**, Mouse monoclonal [DM1A] to alpha Tubulin - Loading Control, at 1/1000 dilution. Cells were then incubated with **ab150081**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 488), pre-adsorbed (shown in green) and **ab150120**, Goat polyclonal Secondary Antibody to Mouse IgG - H&L (Alexa Fluor® 594), pre-adsorbed at 1/1000 dilution (shown in pseudocolor red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems,

TCS SP8).



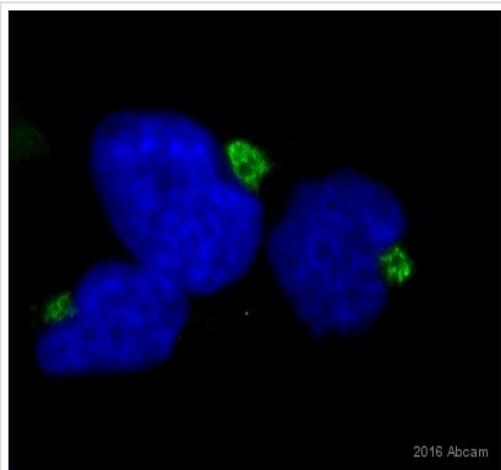
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Golgin 97 antibody (ab84340)

IHC image of Golgin 97 antibody staining in a section of formalin-fixed paraffin-embedded normal human pancreas* performed on a Leica BOND™ system using the standard protocol. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab84340, 1ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

**Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*

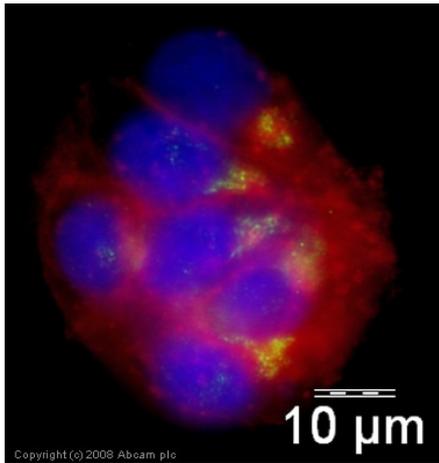


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Immunocytochemistry/ Immunofluorescence - Anti-Golgin 97 antibody (ab84340)

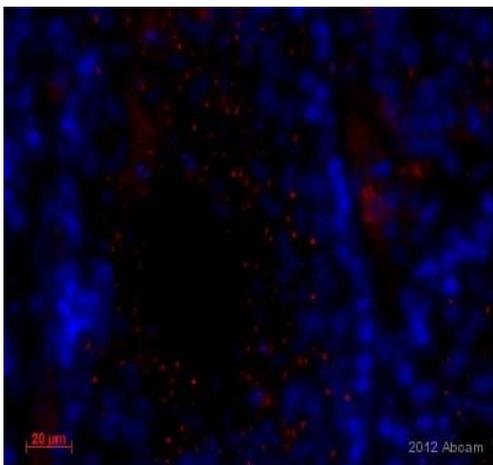
This image is courtesy of an anonymous Abreview.

hCMEC/D3 cells stained for Golgin 97 (green) using ab84340 at 1/100 dilution in ICC/IF, followed by Alexa Fluor 488® conjugated Goat Anti-Rabbit IgG.



Immunocytochemistry/ Immunofluorescence - Anti-Golgin 97 antibody (ab84340)

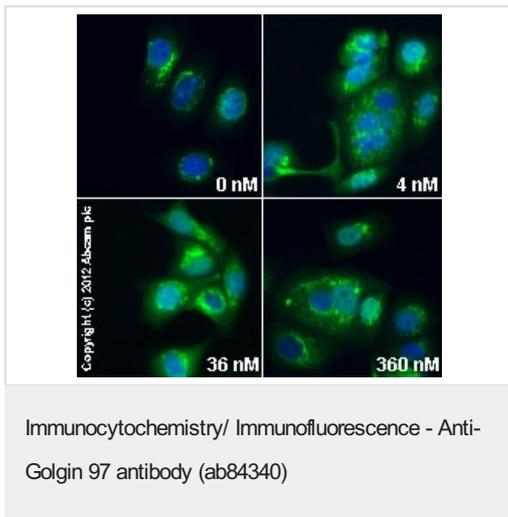
ICC/IF image of ab84340 stained human HepG2 cells. The cells were methanol fixed (5 min), permeabilised in 0.1% PBS-Tween (20 min) and incubated with the antibody (ab84340, 5μg/ml) for 1h at room temperature. 1%BSA / 10% normal goat serum / 0.3M glycine was used to block non-specific protein-protein interactions. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Golgin 97 antibody (ab84340)

ab84340 staining Golgin 97 in murine testis tissue by Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections). Tissue was fixed with formaldehyde and a heat mediated antigen retrieval step was performed using 0.01M sodium citrate. Samples were then blocked using 10%FCS, 0.5% BSA, 1% Triton X-100, 88.5% PBS X1 and then incubated with ab84340 at a 1/100 dilution for 10 hours at 4°C. The secondary used was an Alexa-Fluor 594 conjugated goat anti-rabbit IgG used at a 1/200 dilution.

Image courtesy of Yoav Elkis by Abreview.



ab84340 staining Golgin-97 in MCF7 cells treated with brefeldin A (**ab120299**), by ICC/IF. Increase in Golgin-97 expression correlates with increased concentration of brefeldin A, as described in literature.

The cells were incubated at 37°C for 1.5 h in media containing different concentrations of **ab120299** (brefeldin A) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with ab84340 (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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