




Anti-TGN46 antibody ab50595

★★★★★ [10 Abreviews](#) [64 References](#) [6 图像](#)

概述

产品名称	Anti-TGN46抗体
描述	兔多克隆抗体to TGN46
宿主	Rabbit
经测试应用	适用于: ICC/IF
种属反应性	与反应: Human 预测可用于: Rat 
免疫原	Synthetic peptide corresponding to Human TGN46 aa 400 to the C-terminus conjugated to keyhole limpet haemocyanin (Cysteine residue). Database link: O43493-2  Run BLAST with  Run BLAST with
阳性对照	ICC/IF: Hep G2 and A549 cells.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab50595于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (6)	Use a concentration of 5 - 10 µg/ml.

靶标

功能

May be involved in regulating membrane traffic to and from trans-Golgi network.

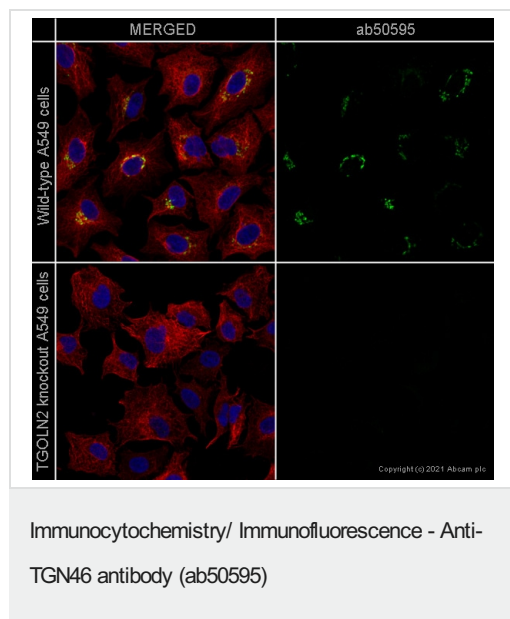
组织特异性

Isoform TGN46 is widely expressed. Isoform TGN51 is more abundant in fetal lung and kidney. Isoform TGN48 is barely expressed in embryonic kidney and promyelocytic cells.

细胞定位

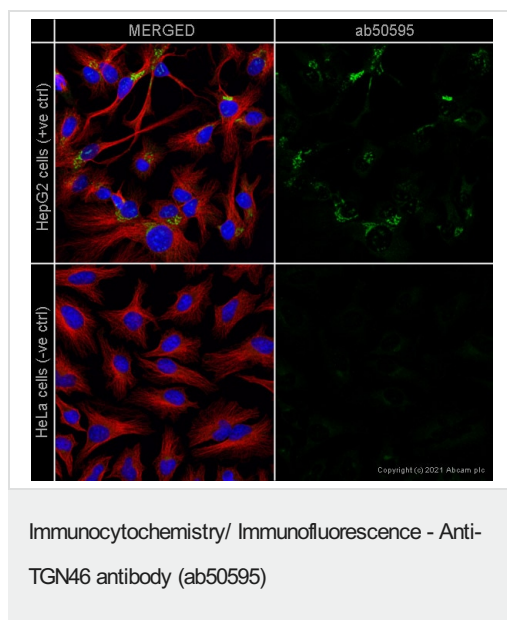
Cell membrane. Golgi apparatus > trans-Golgi network membrane. Primarily in trans-Golgi network. Cycles between the trans-Golgi network and the cell surface returning via endosomes.

图片



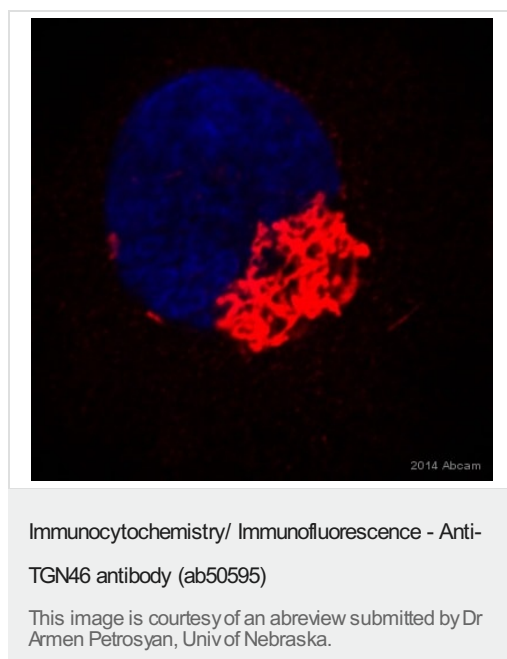
ab50595 staining TGN46 in wild-type A549 cells (top panel) and TGN2 knockout A549 cells (bottom panel) ([ab269510](#)). The cells were fixed with 4% paraformaldehyde (10 min) then permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab50595 at 0.1 µg/ml concentration and [ab7291](#) (Mouse monoclonal to alpha Tubulin) at 1/1000 dilution overnight at 4°C followed by a further incubation at room temperature for 1h with a goat secondary antibody to rabbit IgG (Alexa Fluor® 488) ([ab150081](#)) at 2 µg/ml (shown in green) and a goat secondary antibody to mouse IgG (Alexa Fluor® 594) ([ab150120](#)) at 2 µg/ml (shown in red). Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).

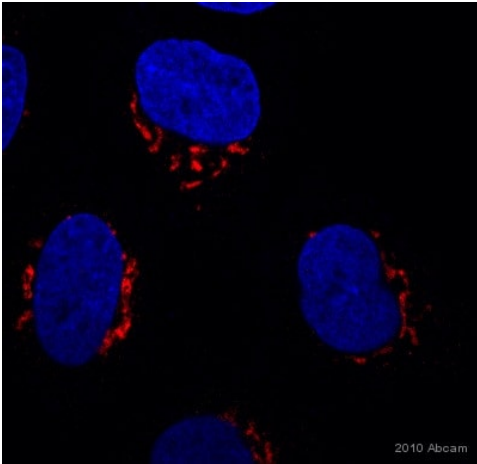


ab50595 staining TGN46 in HepG2 cells (top panel - positive control) and HeLa cells (bottom panel - negative control, low TGN46 expression). The cells were fixed with 4% paraformaldehyde (10 min) then permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated with ab50595 at 1µg/ml concentration and **ab7291** (Mouse monoclonal to alpha Tubulin) at 1/1000 dilution overnight at 4°C followed by a further incubation at room temperature for 1h with a goat secondary antibody to rabbit IgG (Alexa Fluor® 488) (**ab150081**) at 2 µg/ml (shown in green) and a goat secondary antibody to mouse IgG (Alexa Fluor® 594) (**ab150120**) at 2 µg/ml (shown in red). Nuclear DNA was labelled in blue with DAPI.

Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).



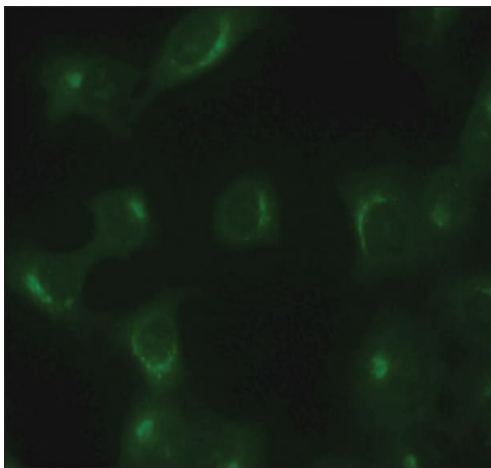
Immunocytochemistry/ Immunofluorescence analysis of Panc-1 cells labeling TGN46 with ab50595 at 1/100 dilution. Cells were fixed with formaldehyde followed by blocking in 1% Donkey serum in PBST for 1 hour at 22°C. A donkey-anti-Rb Alexa Fluor® 594 was used as the secondary antibody at 1/200 dilution. DAPI nuclear counter stain.



Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

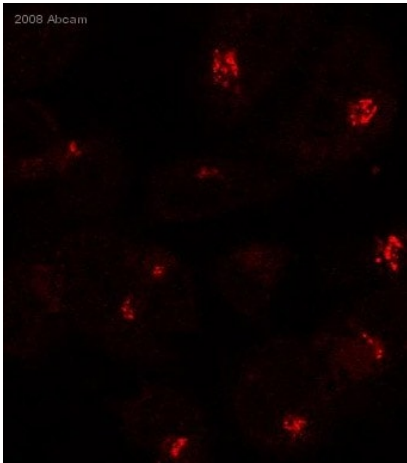
This image is courtesy of an anonymous Abreview

ab50595 staining TGN46 in human HeLa cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% paraformaldehyde in PBS for 10 minutes, permeabilized with 0.1% Triton X100 and blocked with 2% BSA for 30 minutes at 25°C. Samples were incubated with primary antibody (1/200 in 2% BSA + 0.1% Triton X100) for 2 hours at 25°C. An Alexa Fluor® 594-conjugated Goat polyclonal to mouse IgG (dilution 1/1500) was used as secondary antibody.



Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

Human A549 cells were fixed and permeabilized with methanol followed by acetone fixation. Fixed cells were stained with 2.5 µg/ml ab50595. The antibody was developed with Goat Anti-Rabbit IgG, FITC conjugate.



ab50595 staining human osteosarcoma (143b) cells by ICC/IF. Cells were PFA fixed and permeabilized in 0.1% Triton X-100 prior to blocking in 1% BSA for 30 minutes at 37°C. The primary antibody was diluted 1/200 and incubated with the sample for 1 hour at 37°C. The secondary antibody was Alexa Fluor® 594 conjugated donkey polyclonal to rabbit diluted 1/500.

Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

This image is courtesy of Alessandro Marcello, Int Ctr Genet Engn & Biotechnol, Italy

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