


Anti-TGN46 antibody ab50595

★★★★★ [10 Abreviews](#) [64 References](#) [画像数 6](#)

製品の概要

製品名	Anti-TGN46 antibody
製品の詳細	Rabbit polyclonal to TGN46
由来種	Rabbit
アプリケーション	適用あり: ICC/IF
種交差性	交差種: Human 交差が予測される動物種: 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
ポジティブ・コントロール	ICC/IF: Hep G2 and A549 cells.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: 0.0268% PBS
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

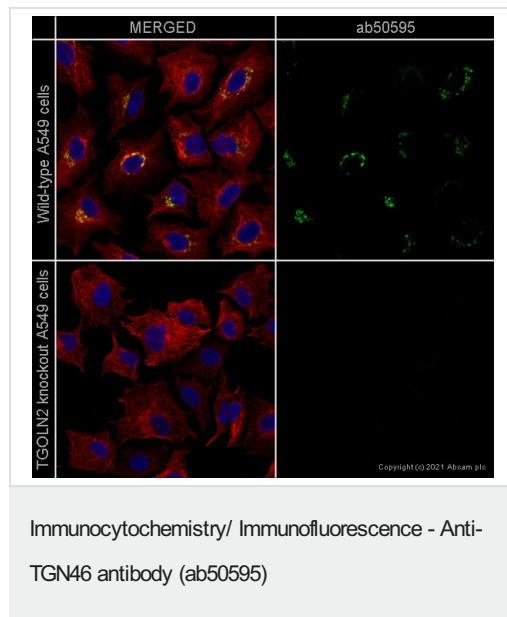
The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab50595の使用に適用されず**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
ICC/IF	★★★★★ (6)	Use a concentration of 5 - 10 µg/ml.

ターゲット情報

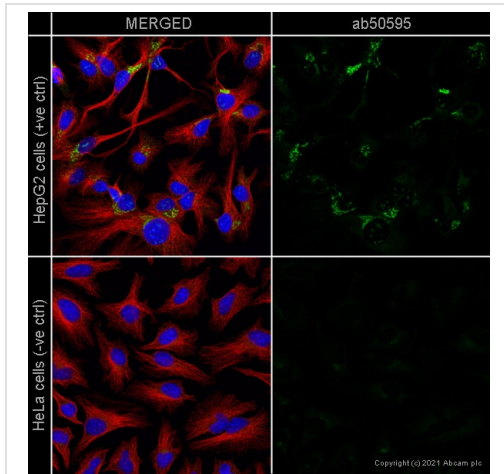
機能	May be involved in regulating membrane traffic to and from trans-Golgi network.
組織特異性	Isoform TGN46 is widely expressed. Isoform TGN51 is more abundant in fetal lung and kidney. Isoform TGN48 is barely expressed in embryonic kidney and promyelocytic cells.
細胞内局在	Cell membrane. Golgi apparatus > trans-Golgi network membrane. Primarily in trans-Golgi network. Cycles between the trans-Golgi network and the cell surface returning via endosomes.

画像



ab50595 staining TGN46 in wild-type A549 cells (top panel) and TGOLN2 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.

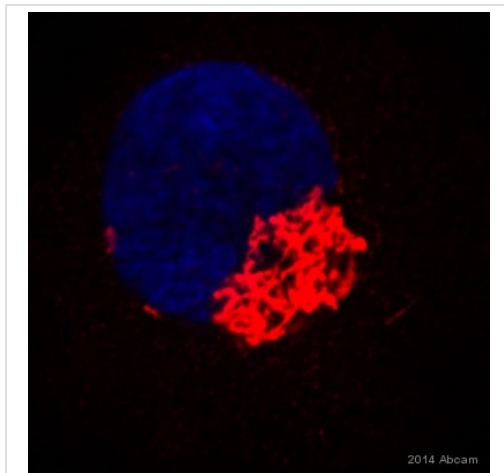
Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).



Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

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.

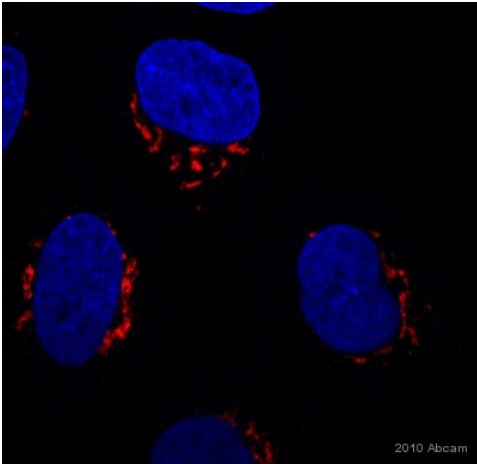
Image was taken with a confocal microscope (Leica-Microsystems TCS SP8).



Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

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.

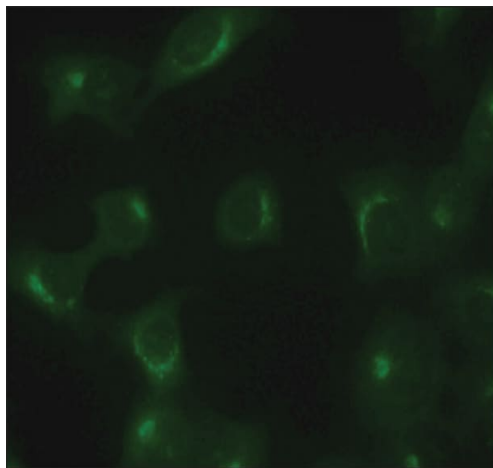
This image is courtesy of an abreview submitted by Dr Armen Petrosyan, Univ of Nebraska.



Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

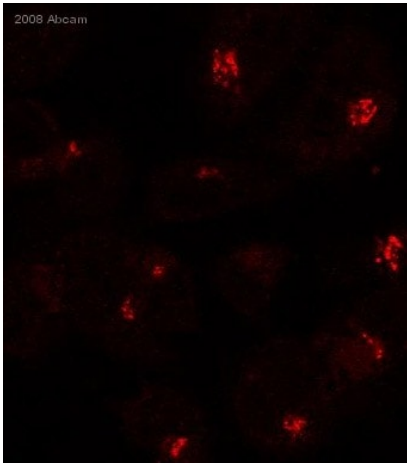
This image is courtesy of an anonymous Abreview

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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