

Product datasheet

Anti-TGN46 antibody ab50595

★★★★★ 8 Abreviews 35 References 4 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-TGN46 antibody |
| Description | Rabbit polyclonal to TGN46 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IP, ICC/IF |
| Species reactivity | Reacts with: Human Predicted to work with: Rat |
| Immunogen | Synthetic peptide: KASDYQRLDQKY conjugated to KLH by a N-terminal Cysteine residue linker, corresponding to amino acids 426-437 of Human TGN46 Run BLAST with Run BLAST with |
| Positive control | A549 cells |

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: 0.097% Sodium azide Constituent: 0.0268% PBS |
| Purity | Immunogen affinity purified |
| Clonality | Polyclonal |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab50595** in the following tested applications.

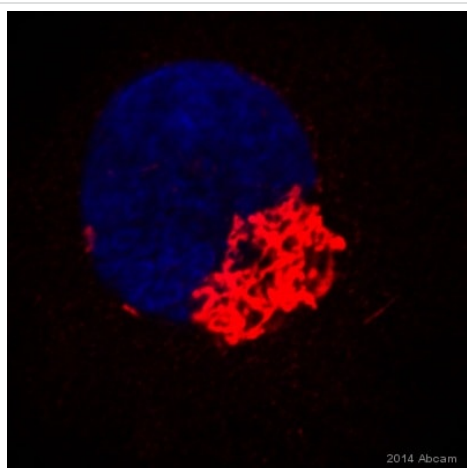
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|---|
| WB | ★★★★☆ | Use a concentration of 0.25 - 0.5 µg/ml. Detects a band of approximately 80-100 kDa (predicted molecular weight: 47 kDa). |
| IP | | Use a concentration of 10 - 20 µg/ml. |
| ICC/IF | ★★★★★ | Use a concentration of 5 - 10 µg/ml. |

Target

| | |
|------------------------------|---|
| Function | May be involved in regulating membrane traffic to and from trans-Golgi network. |
| Tissue specificity | 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. |
| Cellular localization | 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. |

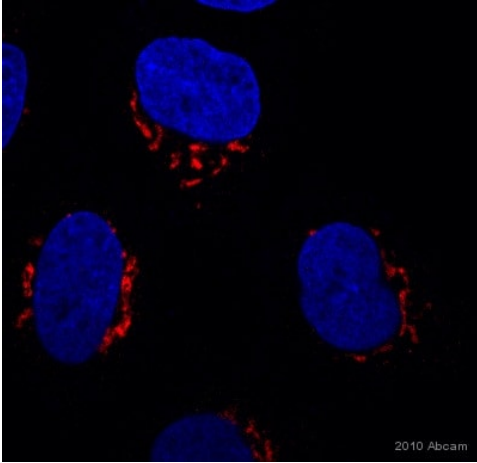
Images



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)

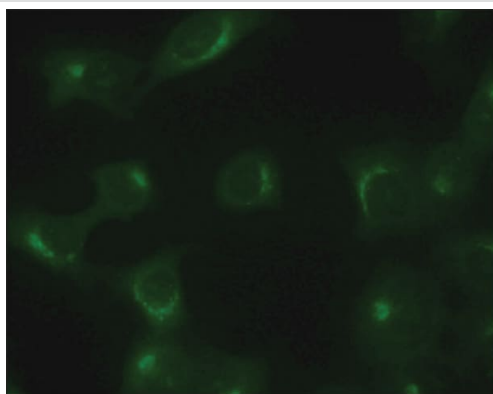
This image is courtesy of an abreview submitted by Dr Armen Petrosyan, Univ of Nebraska.



Immunocytochemistry/ Immunofluorescence - Anti-TGN46 antibody (ab50595)

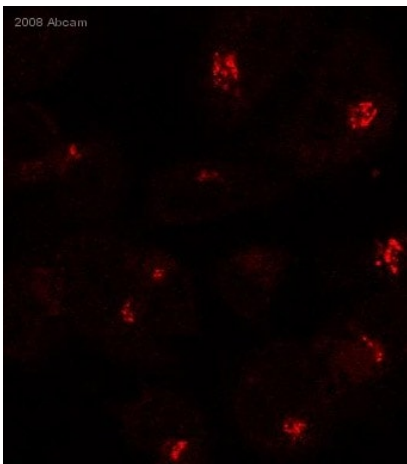
This image is courtesy of an anonymous Abreview

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 Engrn & Biotechnol, Italy

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