

## Product datasheet for **TA309908**

### TGN46 (TGOLN2) Rabbit Polyclonal Antibody

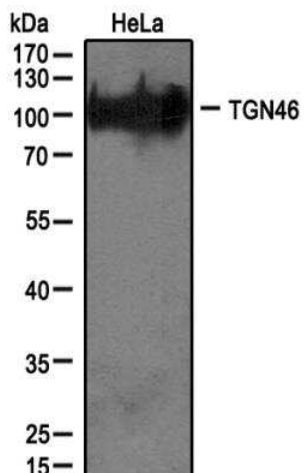
#### Product data:

Product Type:	Primary Antibodies
Applications:	FC, ICC/IF, IHC, Immunoblotting, WB
Recommended Dilution:	Flow (Intracellular), Immunohistochemistry: 1:400, Immunohistochemistry-Paraffin: 1:400, Knockout Validated, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Western Blot: 2ug/mL, Flow Cytometry
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A genomic peptide made to an internal region of the human TGOLN2 protein (within residues 200-350). [Swiss-Prot O43493]
Formulation:	PBS, 30% glycerol and 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	trans-golgi network protein 2
Database Link:	<a href="#">NP_006455</a> <a href="#">Entrez Gene 10618 Human O43493</a>
Synonyms:	TGN38; TGN46; TGN48; TGN51; TTN2
Protein Families:	Transmembrane

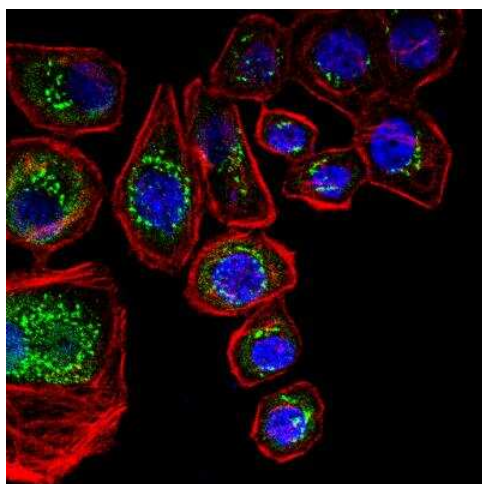


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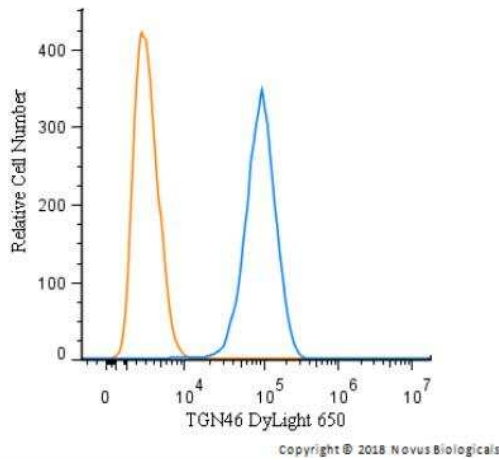
## Product images:



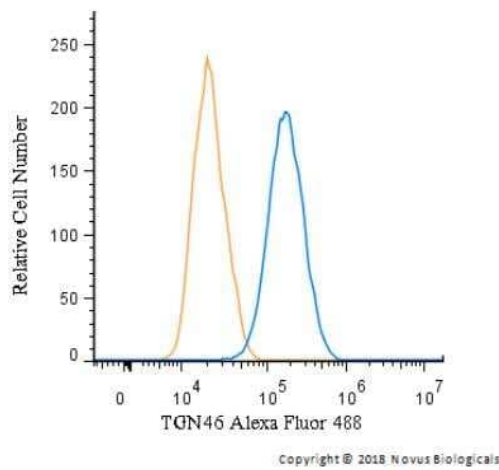
Western Blot: TGN46 Antibody TA309908 - Analysis of extracts from HeLa cells using TGN46 antibody (TA309908, 1:100).



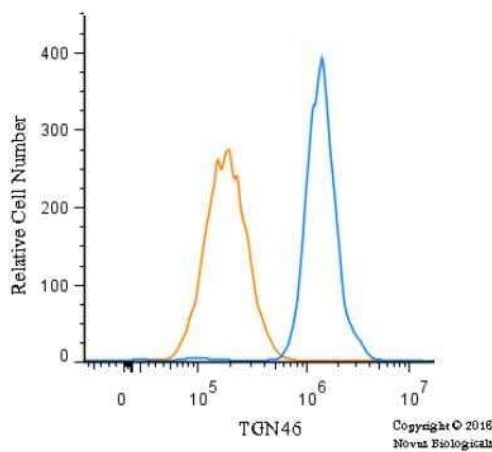
Immunocytochemistry/Immunofluorescence: TGN46 Antibody TA309908 - Analysis of A549 cells using TGN46 antibody (TA309908, 1:5). An Alexa Fluor 488-conjugated Goat to rabbit IgG was used as secondary antibody (green). Actin filaments were labeled with Alexa Fluor 568 phalloidin (red). DAPI was used to stain the cell nuclei (blue).



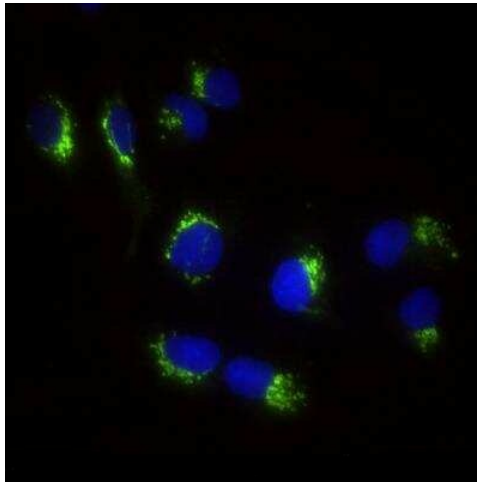
Flow Cytometry: TGN46 Antibody TA309908 - An intracellular stain was performed on HepG2 cells with [TA309908C] (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to DyLight 650.



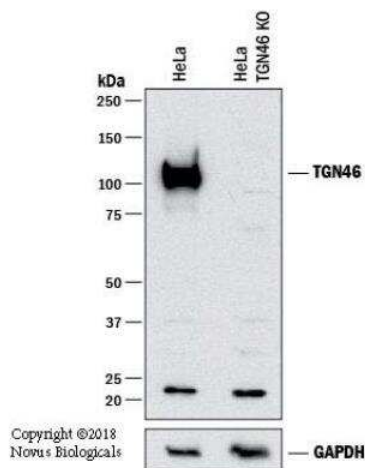
Flow (Intracellular): TGN46 Antibody TA309908 - An intracellular stain was performed on HepG2 cells with TGN46 Antibody TA309908AF488 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 488.



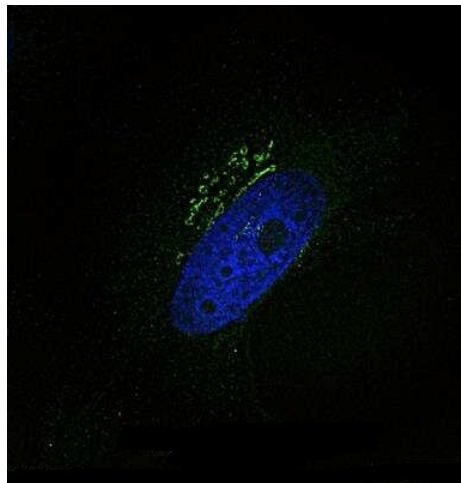
Flow (Intracellular): TGN46 Antibody TA309908 - An intracellular stain was performed on U-937 cells with TA309908 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 1 ug/mL for 30 minutes at room temperature, followed by rabbit IgG APC-conjugated secondary antibody (F0111, R&D Systems).



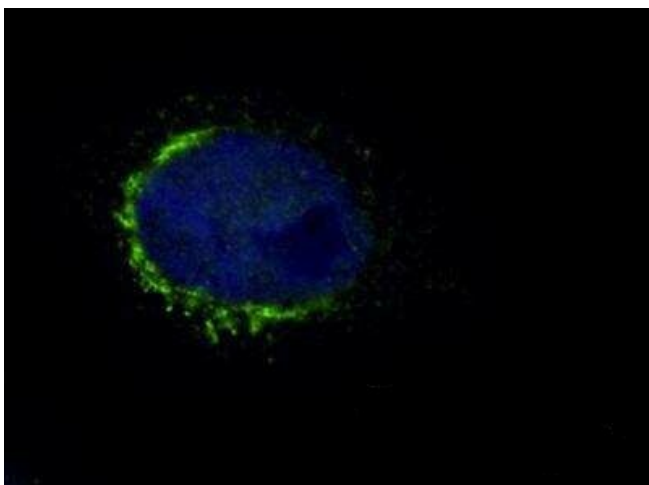
Immunocytochemistry/Immunofluorescence: TGN46 Antibody TA309908 - HepG2 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with TGN46 Antibody conjugated to Alexa Fluor 488 (TA309908AF488) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



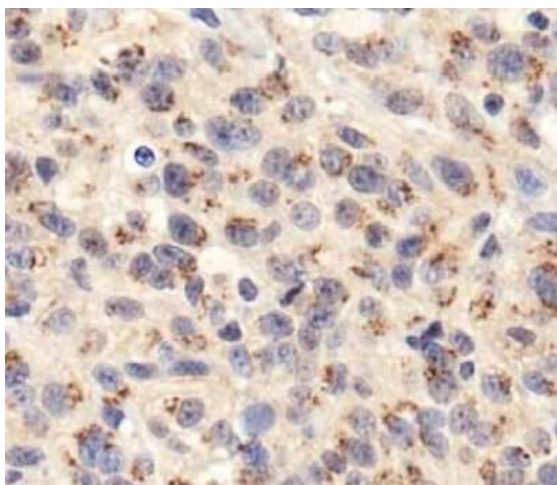
Knockout Validated: TGN46 Antibody TA309908 - Western blot shows lysates of HeLa human cervical epithelial carcinoma parental cell line and TGN46 knockout (KO) HeLa cell line. PVDF membrane was probed with 1:1000 of Rabbit Anti-Human TGN46 Polyclonal Antibody (TA309908) followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (HAF008). Specific band was detected for TGN46 at approximately 100 kDa (as indicated) in the parental HeLa cell line, but is not detectable in the knockout HeLa cell line. This experiment was conducted under reducing conditions.



Immunocytochemistry/Immunofluorescence: TGN46 Antibody TA309908 - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with TGN46 Antibody conjugated to Alexa Fluor 488 (TA309908AF488) at 2 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



Immunocytochemistry/Immunofluorescence: TGN46 Antibody TA309908 - HeLa cells were fixed in 4% paraformaldehyde for 10 min and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti- at 2 ug/ml for 60 minutes at room temperature and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective.



Immunohistochemistry: TGN46 Antibody TA309908 - Analysis of TGOLN2 in human renal cell carcinoma.