

Product Datasheet

TGN46 Antibody [Alexa Fluor® 488] NBP1-49643AF488

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP1-49643AF488

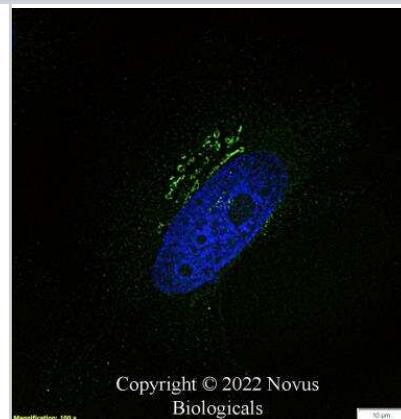
TGN46 Antibody [Alexa Fluor® 488]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Conjugate	Alexa Fluor 488
Purity	Immunogen affinity purified
Buffer	50mM Sodium Borate
Product Description	
Host	Rabbit
Gene ID	10618
Gene Symbol	TGOLN2
Species	Human, Bovine, Monkey
Reactivity Notes	Monkey reactivity reported in scientific literature (PMID: 30135710). Bovine reactivity reported in scientific literature (PMID: 30135710).
Marker	TGN Marker
Immunogen	Partial recombinant protein made to an internal region of the human TGN46 protein (within residues 200-350). [Swiss-Prot: O43493]
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoblotting, Flow (Intracellular), Knockout Validated
Application Notes	Optimal dilution of this antibody should be experimentally determined.

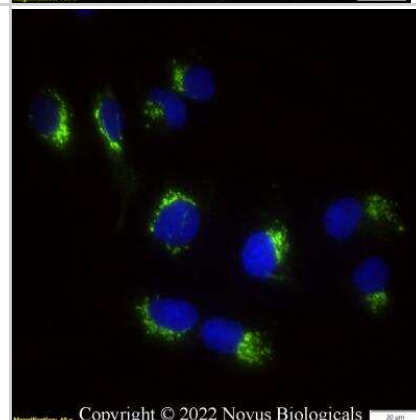


Images

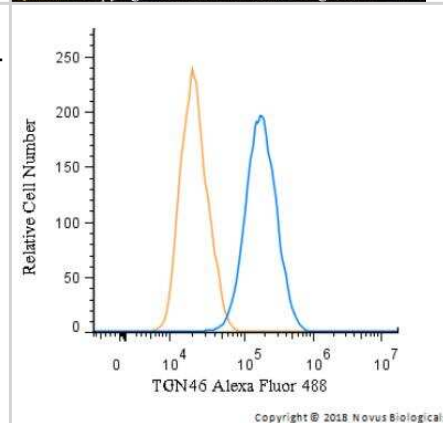
Immunocytochemistry/Immunofluorescence: TGN46 Antibody [Alexa Fluor® 488] [NBP1-49643AF488] - HeLa cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with TGN46 Antibody conjugated to Alexa Fluor 488 (NBP1-49643AF488) 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.



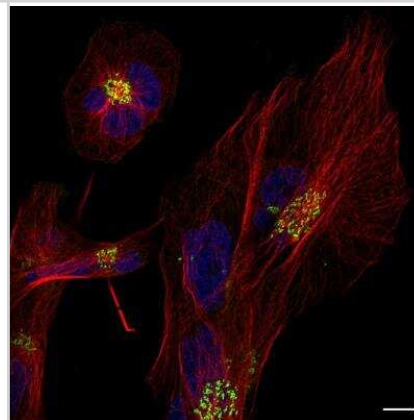
Immunocytochemistry/Immunofluorescence: TGN46 Antibody [Alexa Fluor® 488] [NBP1-49643AF488] - HepG2 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with TGN46 Antibody conjugated to Alexa Fluor 488 (NBP1-49643AF488) at 5 ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



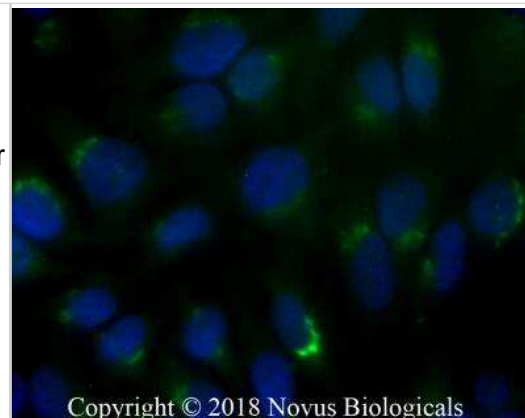
Flow (Intracellular): TGN46 Antibody [Alexa Fluor® 488] [NBP1-49643AF488] - TGN46 Antibody [Alexa Fluor 488] [NBP1-49643AF488] - An intracellular stain was performed on HepG2 cells with TGN46 Antibody NBP1-49643AF488 (Blue) and a matched isotype control (Orange). Cells were fixed with 4% PFA and then 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.



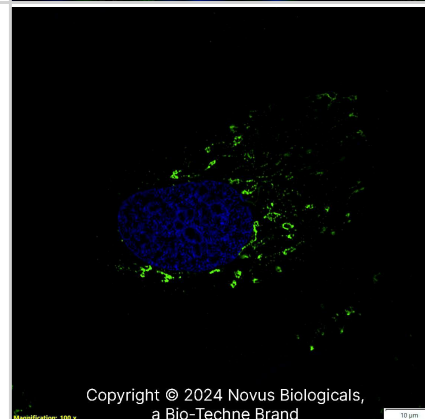
Immunocytochemistry/Immunofluorescence: TGN46 Antibody [Alexa Fluor® 488] [NBP1-49643AF488] - TGN46 Antibody [Alexa Fluor 488] [NBP1-49643AF488] - T98G glioblastoma cells probed for Golgi (Alexa Fluor 488 conjugated TGN-46 antibody, Green), tubulin (Alexa Fluor 594, Red), and nucleus (DAPI, Blue). Image provided by customer.



Immunocytochemistry/Immunofluorescence: TGN46 Antibody [Alexa Fluor® 488] [NBP1-49643AF488] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-TGN46 conjugated to Alexa Fluor 488 [NBP1-49643AF488] at 10ug/ml for 1 hour at room temperature. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



TGN46 was detected in immersion fixed Caco-2 human colorectal adenocarcinoma cell line using Rabbit anti-TGN46 Affinity Purified Polyclonal Antibody conjugated to Alexa Fluor® 488 (Catalog # NBP1-49643AF488) (green) at 2 µg/mL overnight at 4C. Cells were counterstained with DAPI (blue). Cells were imaged using a 100X objective and digitally deconvolved.





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Products Related to NBP1-49643AF488

NBP2-24982	Rabbit IgG Isotype Control [Alexa Fluor® 488]
NBP1-49643AF647	TGN46 Antibody [Alexa Fluor® 647]
H00010618-Q01-10ug	Recombinant Human TGN46 GST (N-Term) Protein
2914-HT-100MG	Holo-Transferrin [Unconjugated]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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