

Product Datasheet

TGN46 Antibody NB110-40769

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB110-40769

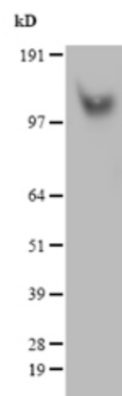
TGN46 Antibody

Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Purity	Unpurified
Buffer	Whole antisera with 1.0% BSA
Product Description	
Host	Rabbit
Gene ID	10618
Gene Symbol	TGOLN2
Species	Human, Primate
Reactivity Notes	This antibody reacts with the human and primate protein. Antibody reactivity and working conditions vary between species. Other species have not yet been tested.
Marker	TGN Marker
Specificity/Sensitivity	This is specific for TGN46. TGN46 is a heavily glycosylated protein of around 110-120kDa.
Immunogen	Antisera to TGN46 were raised by repeated immunizations of rabbits with highly purified recombinant human THN46.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunomicroscopy
Recommended Dilutions	Western Blot 1:500-1000, Immunocytochemistry/Immunofluorescence 1:50-1:100, Immunomicroscopy
Application Notes	This antibody is useful for Western Blot, Immunofluorescence, and immunoelectron microscopy. For Immunofluorescence fixation with 3% paraformaldehyde or methanol is recommended, and incubation for 60 minutes at room temperature in blocking buffer (0.1% gelatin in TBS/Triton). For Western Blot it is recommended in 5% milk/TBS (+0.1% Tween-20) and incubation for 60 minutes at room temperature.

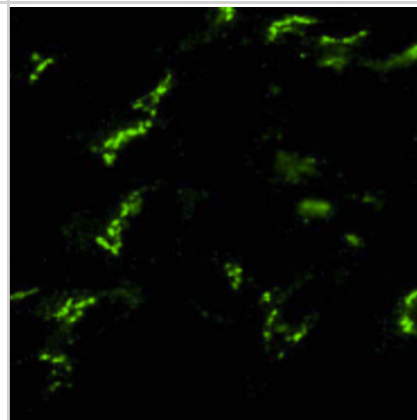


Images

Western Blot: TGN46 Antibody [NB110-40769] - 20ug HeLa cell lysate was run on an SDS-PAGE gel and western blotted using rabbit anti-human TGN46 serum at 1/1000.



Immunofluorescence: TGN46 Antibody [NB110-40769] - Staining of human TGN46 in 3% paraformaldehyde-fixed HeLa cells using rabbit anti-human TGN46 serum at 1/100. Secondary antibody was goat antirabbit Alexa Fluor 488.



Publications

Dorobantu CM, Albulescu L, Harak C et al. Modulation of the Host Lipid Landscape to Promote RNA Virus Replication: The Picornavirus Encephalomyocarditis Virus Converges on the Pathway Used by Hepatitis C Virus. *PLoS Pathog.* 2015 Sep 01 [PMID: 26406250] (ICC/IF, Human)

Binda C, Genier S, Cartier A et al. A G protein-coupled receptor and the intracellular synthase of its agonist functionally cooperate. *J Cell Biol.* 2014 Feb 04 [PMID: 24493589] (ICC/IF, Human)

Details:

TGN46 antibody used for ICC-IF on HEK293 cells transiently transfected with pcDNA3-Flag-DP1 or pcDNA3-L-PGDS-HA (Figure 2).

Oner SS, Vural A, Lanier SM. Translocation of Activator of G-protein Signaling 3 to the Golgi apparatus in response to receptor activation and its effect on the trans-Golgi network. *J Biol Chem* 2013 Jun 14 [PMID: 23770668] (ICC/IF, Human)

Bacac M, Fusco C, Planche A et al. Securin and separase modulate membrane traffic by affecting endosomal acidification *Traffic* 2011 May [PMID: 21272169] (WB, Human)

Vire B, David A, Wiestner A. TOSO, the Fc μ micro receptor, is highly expressed on chronic lymphocytic leukemia B cells, internalizes upon IgM binding, shuttles to the lysosome, and is downregulated in response to TLR activation *J Immunol* 2011 Oct 15 [PMID: 21908732] (ICC/IF, Human)

Subathra M, Qureshi A, Luberto C. Sphingomyelin synthases regulate protein trafficking and secretion. *PLoS ONE*;6 (9). 2011 [PMID: 21980337]

Clarke CJ, Guthrie JM, Hannun YA. Regulation of Neutral Sphingomyelinase-2 (nSMase2) by Tumor Necrosis Factor- α Involves Protein Kinase C- δ in Lung Epithelial Cells. *Mol Pharmacol*;74(4):1022-1032. 2008 [PMID: 18653803]

Frijns E, Kuikman I, Litjens S, Raspe M, Jalink K, Ports M, Wilhelmsen K, Sonnenberg A. Phosphorylation of threonine 1736 in the C-terminal tail of integrin α 4 contributes to hemidesmosome disassembly. *Mol Biol Cell*23 (8):1475-85. 2012 Apr. [PMID: 22357621]





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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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