

# Product Datasheet

## TGN46 Antibody NB110-60520

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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**NB110-60520**

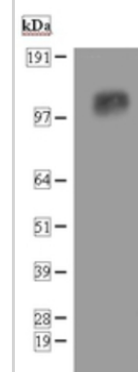
TGN46 Antibody

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	This product is unpurified. The exact concentration of antibody is not quantifiable.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Purity</b>	Unpurified
<b>Buffer</b>	Whole antisera with 1.0% BSA
<b>Product Description</b>	
<b>Host</b>	Sheep
<b>Gene ID</b>	10618
<b>Gene Symbol</b>	TGOLN2
<b>Species</b>	Human, Primate
<b>Reactivity Notes</b>	Reacts with Primate, Human and Rat. Antibody reactivity and working conditions vary between species
<b>Marker</b>	TGN Marker
<b>Specificity/Sensitivity</b>	TGN46 - Golgi Complex Marker
<b>Immunogen</b>	Antisera to TGN46 were raised by repeated immunisations of sheep with highly purified recombinant human TGN46
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100-1:200, Immunoprecipitation, Immunohistochemistry-Frozen 1:50-1:100
<b>Application Notes</b>	Immunofluorescence Fixation with 3% paraformaldehyde or methanol is recommended and incubation for 60 min at room temperature in blocking buffer (0.1% gelatin in TBS/triton) Western blotting in 5% milk/TBS (+ 0.1% Tween-20) and incubation for 60 min at room temperature. Immunohistology: Fixation with 3% paraformaldehyde or methanol/acetone is recommended

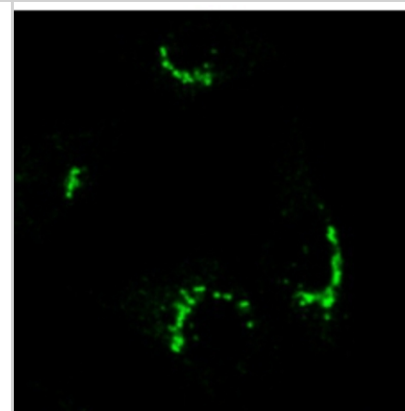
## Images

Western Blot: TGN46 Antibody [NB110-60520] - Lane 1. 20ug HeLa cell lysate was run on an SDS-PAGE gel and western blotted using sheep anti-human TGN46 serum at 1/1000.

Western blot image



Immunofluorescent: TGN46 Antibody [NB110-60520] - Figure 1: Immunofluorescence staining of human TGN46 in 3% paraformaldehyde-fixed HeLa cells using sheep anti-human TGN46 serum at 1/100. Secondary antibody was donkey anti-sheep Alexa Fluor 488.



## Publications

Uemura T, Sawada N, Sakaba T et al. Intracellular localization of GGA accessory protein p56 in cell lines and central nervous system neurons Biomed. Res. Aug 14 2018 12:00AM [PMID: 30101838] (ICC/IF, Human)

Gonzalez C, Canovas J, Fresno J et al. Axons provide the secretory machinery for trafficking of voltage-gated sodium channels in peripheral nerve Proc. Natl. Acad. Sci. U.S.A. Feb 16 2016 12:00AM [PMID: 26839409]

Gagnon H, Refaie S, Gagnon S et al. Proprotein Convertase 1/3 (PC1/3) in the Rat Alveolar Macrophage Cell Line NR8383: Localization, Trafficking and Effects on Cytokine Secretion. PLoS One 2013 Apr 24 [PMID: 23637853] (ICC/IF, Rat)

Brodeur J, Theriault C, Lessard-Beaudoin M et al. LDLR-related protein 10 (LRP10) regulates amyloid precursor protein (APP) trafficking and processing: evidence for a role in Alzheimer's disease Mol Neurodegener 2012 Jun 26 [PMID: 22734645] (ICC/IF, Human)

Kosaka T, Kuroha Y, Tada M et al. A fatal neuromuscular disease in an adult patient after poliomyelitis in early childhood: Consideration of the pathology of post-polio syndrome Neuropathology 2012 Jun 4 [PMID: 22672529] (IHC, Human)

Drakesmith H et al. HIV-1 Nef down-regulates the hemochromatosis protein HFE, manipulating cellular iron homeostasis. PNAS; 102: 11017-11022. 2005 [PMID: 16043695]

Mills IG et al. Huntingtin interacting protein 1 modulates the transcriptional activity of nuclear hormone receptors. J Cell Biol; 70: 191-200. 2005 [PMID: 16027218]

Vuillier F et al. Lower levels of surface B-cell-receptor expression in chronic lymphocytic leukemia are associated with glycosylation folding defects of the mu CD79a chains. Blood; 105: 2933-2940. 2005 [PMID: 15591116]

Linstedt AD et al. A Cycling cis-Golgi Protein Mediates Endosome-to-Golgi Traffic. Mol Biol Cell; 15: 4798-4806. 2004 [PMID: 15331763]

Marullo S et al. Homodimerization of the  $\beta_2$ -Adrenergic Receptor as a Prerequisite for Cell Surface Targeting. J Biol Chem; 279: 33390-33397. 2004 [PMID: 15155738]

Prescott AR et al. Distinct compartmentalization of TGN46 beta 1, 4-galactosyltransferase in HeLa cells. Eur J Cell Biol; 72: 238-246. 1997 [PMID: 9084986]

Ponnambalam S et al. Primate homologues of rat TGN38: primary structure, expression functional implications. J Cell Sci; 109: 675-685. 1996 [PMID: 8907712]

More publications at <http://www.novusbio.com/NB110-60520>





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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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