

Product Datasheet

TGN38 Antibody NB110-60519

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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NB110-60519

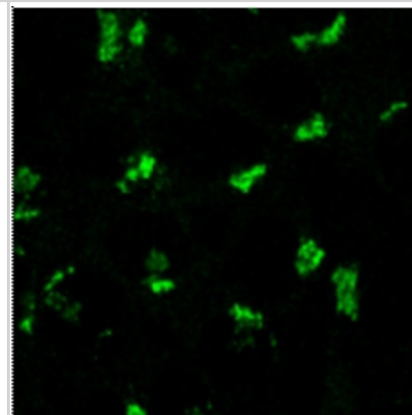
TGN38 Antibody

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	Sheep
Gene ID	10618
Gene Symbol	TGOLN2
Species	Mouse, Rat
Reactivity Notes	Reacts with: Rat, Mouse. NB. Antibody reactivity and working conditions may vary between species
Marker	TGN Marker
Specificity/Sensitivity	This is specific for TGN38. TGN38 is a heavily glycosylated protein of around 80-90kDa.
Immunogen	Antisera to TGN38 were raised by repeated immunisations of sheep with highly purified antigen (Recombinant fusion protein corresponding to extracellular domain of TGN38).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Frozen 1:100-1:200
Application Notes	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 methanol or methanol/acetone recommended Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.



Images

Immunofluorescent: TGN38 Antibody [NB110-60519] - Figure 1: Immunofluorescence staining of TGN38 in 3% paraformaldehyde-fixed NRK cells using sheep anti-rat TGN38 serum at 1/100. Secondary antibody was donkey anti-sheep Alexa Fluor 488.



Publications

Liu C, Song Z, Wang L et al. Sirt1 regulates acrosome biogenesis by modulating autophagic flux during spermiogenesis in mice *Development* Feb 1 2017 12:00AM [PMID: 28003215] (Mouse)

Han F, Liu C, Zhang L et al. Globozoospermia and lack of acrosome formation in GM130-deficient mice *Cell Death Dis* Jan 5 2017 12:00AM [PMID: 28055014] (ICC/IF, Mouse)

Zhao P, Canals M, Murphy JE et al. Agonist-biased Trafficking of Somatostatin Receptor 2A in Enteric Neurons. *J Biol Chem.* 2013 Sep 6 [PMID: 23913690] (IHC, Mouse)

McLauchlan HJ et al. Characterisation regulation of constitutive transport intermediates formed at the trans-Golgi network. *Cell Biol Intl*; 25: 705-713. 2001 [PMID: 11482894]

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

Luzio JP et al. Identification, sequencing expression of an integral membrane protein of the trans-Golgi network (TGN38). *Biochem J*; 270: 97-102. 1990 [PMID: 2204342]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA

Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada

Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom

Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

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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