

Product Datasheet

TGN38 Antibody NB110-40768

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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NB110-40768

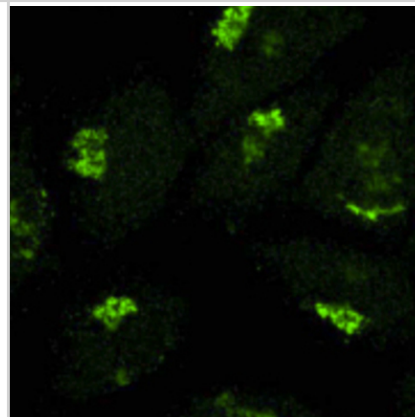
TGN38 Antibody

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	Rabbit
Gene ID	10618
Gene Symbol	TGOLN2
Species	Mouse, Rat
Reactivity Notes	This antibody reacts with the mouse and rat protein. Antibody reactivity and working conditions may vary between species. Other species have not yet been tested.
Marker	TGN Marker
Specificity/Sensitivity	This is specific for TGN38. TGN38 is heavily glycosylated protein of around 80-90kDa.
Immunogen	Antisera to TGN38 were raised by repeated immunizations of rabbits with highly purified antigen (recombinant fusion protein corresponding to extracellular domain of TGN38). Purified IgG prepared by affinity chromatography.
Product Application Details	
Applications	Western Blot, Immunocytochemistry/Immunofluorescence, Immunomicroscopy
Recommended Dilutions	Western Blot, 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 min at room temperature.



Images

Immunofluorescent: TGN38 Antibody [NB110-40768] - Immunofluorescence staining of TGN38 in 3% paraformaldehyde-fixed NRK cells using rabbit anti-rat TGN38 serum at 1/100. Secondary antibody was goat anti-rabbit Alexa Fluor 488.



Publications

Fernandez-Fernandez MR, Ruiz-Garcia D, Martin-Solana E et al. 3D electron tomography of brain tissue unveils distinct Golgi structures that sequester cytoplasmic contents in neurons. *J. Cell. Sci.* Aug 5 2016 12:00AM [PMID: 27505890] (ICC/IF, Mouse)

Ge L, Melville D, Zhang M, Schekman R. The ER-Golgi intermediate compartment is a key membrane source for the LC3 lipidation step of autophagosome biogenesis. *Elife* 2013 Aug 6 [PMID: 23930225] (WB, Mouse)

Roitbak T, Surviladze Z, Cunningham LA. Continuous expression of HIF-1alpha in neural stem/progenitor cells *Cell Mol Neurobiol* 2011 Jan [PMID: 20844947] (ICC/IF, Mouse)

Mikhaylova M, Reddy PP, Munsch T et al. Calneurons provide a calcium threshold for trans-Golgi network to plasma membrane trafficking. *PNAS*;106(22):9093-9098. 2009 [PMID: 19458041]



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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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