

Datasheet: AHP1597

Description:	RABBIT ANTI RAT TGN38
Specificity:	TGN38
Format:	Serum
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	0.1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/500 - 1/1000
Immunofluorescence (1)	▪			1/50 - 1/100

Where this product 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 product for use in their own system using appropriate negative/positive controls.

(1) Fixation with 3% paraformaldehyde or methanol is recommended.

Target Species	Rat
Species Cross Reactivity	<p>Reacts with: Mouse</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Serum diluted - liquid
Antiserum Preparation	Antisera to TGN38 were raised by repeated immunisations of rabbits with highly purified antigen.

Buffer Solution	Phosphate buffered saline
Preservative	<0.1% Sodium Azide (NaN ₃)
Stabilisers	1% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant protein corresponding to extracellular domain of TGN38.
External Database Links	<p>UniProt: P19814 Related reagents</p> <p>Entrez Gene: 192152 Tgoln1 Related reagents</p>
RRID	AB_2203271
Specificity	<p>Rabbit anti Rat TGN38 antibody recognizes a glycoprotein designated TGN38 that is found primarily in the Trans-golgi network, and has been found to be an excellent marker for this cellular organelle.</p> <p>TGN38 is likely to have a role in intracellular transport. It is the homologue of human TGN46.</p>
References	<ol style="list-style-type: none"> 1. Ponnambalam, S. <i>et al.</i> (1996) Primate homologues of rat TGN38: primary structure, expression and functional implications. J Cell Sci. 109 (Pt 3): 675-85. 2. Luzio, J.P. <i>et al.</i> (1990) Identification, sequencing and expression of an integral membrane protein of the trans-Golgi network (TGN38). Biochem J. 270 (1): 97-102. 3. Banerji, S. <i>et al.</i> (2010) Oxysterol binding protein-dependent activation of sphingomyelin synthesis in the golgi apparatus requires phosphatidylinositol 4-kinase IIα. Mol Biol Cell. 21 (23): 4141-50. 4. Park, B.C. <i>et al.</i> (2015) The clathrin-binding and J-domains of GAK support the uncoating and chaperoning of clathrin by Hsc70 in the brain. J Cell Sci. 128 (20): 3811-21. 5. Chen, A. <i>et al.</i> (2012) Regional and subcellular distribution of the receptor-targeting protein PIST in the rat central nervous system. J Comp Neurol. 520 (5): 889-913. 6. González C <i>et al.</i> (2016) Axons provide the secretory machinery for trafficking of voltage-gated sodium channels in peripheral nerve. Proc Natl Acad Sci U S A. 113 (7): 1823-8. 7. Zuidscherwoude, M. <i>et al.</i> (2015) The tetraspanin web revisited by super-resolution microscopy. Sci Rep. 5: 12201.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>

Guarantee 12 months from date of despatch

Health And Safety Information Material Safety Datasheet documentation #10048 available at:
10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

Sheep Anti Rabbit IgG (STAR35...) [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...) [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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