

Datasheet: AHP1586

Description:	RABBIT ANTI HUMAN TGN46
Specificity:	TGN46
Other names:	TGOLN2
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 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.

(1) Fixation of tissues with 3% paraformaldehyde or methanol is recommended prior to using this antibody on immunofluorescence.

Target Species	Human
Species Cross Reactivity	Reacts with: Primate N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Serum - liquid
Antiserum Preparation	Antisera to human TGN46 were raised by repeated immunisation of rabbits with highly purified recombinant human TGN46.
Preservative Stabilisers	0.02% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Recombinant human TGN46.

**External Database
Links**

UniProt:

[O43493](#) [Related reagents](#)

Entrez Gene:

[10618](#) TGNLN2 [Related reagents](#)

Synonyms

TGN46, TGN51

Specificity

Rabbit anti Human TGN46 antibody recognizes Trans-Golgi network integral membrane protein 2, also known as TGN46, TGN38 homolog or Trans-Golgi network protein TGN51. TGN46 is a 480 amino acid ~110kDa single pass type I transmembrane glycoprotein associated with the trans golgi network membrane. TGN46 has been reported as being the best available marker for human trans-Golgi network.

References

1. Prescott, A.R. *et al.* (1997) Distinct compartmentalization of TGN46 and beta 1,4-galactosyltransferase in HeLa cells. [Eur J Cell Biol. 72 \(3\): 238-46.](#)
2. Ponnambalam, S. *et al.* (1996) Primate homologues of rat TGN38: primary structure, expression and functional implications. [J Cell Sci. 109 \(Pt 3\): 675-85.](#)
3. Vuillier, F. *et al.* (2005) Lower levels of surface B-cell-receptor expression in chronic lymphocytic leukemia are associated with glycosylation and folding defects of the mu and CD79a chains. [Blood. 105 \(7\): 2933-40.](#)
4. Cerqueira, C. *et al.* (2015) Kallikrein-8 Proteolytically Processes Human Papillomaviruses in the Extracellular Space To Facilitate Entry into Host Cells. [J Virol. 89 \(14\): 7038-52.](#)
5. Striebinger, H. *et al.* (2016) Subcellular Trafficking and Functional Relationship of the HSV-1 Glycoproteins N and M. [Viruses. 8 \(3\): pii: E83.](#)
6. Sandri, C. *et al.* (2012) The R-Ras/RIN2/Rab5 complex controls endothelial cell adhesion and morphogenesis via active integrin endocytosis and Rac signaling. [Cell Res. 22 \(10\): 1479-501.](#)
7. Aydin, I. *et al.* (2014) Large scale RNAi reveals the requirement of nuclear envelope breakdown for nuclear import of human papillomaviruses. [PLoS Pathog. 10 \(5\): e1004162.](#)

Storage

Store at +4°C or at -20°C if preferred.

This product should be stored undiluted.

Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life

18 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](#)

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

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

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

Sheep Anti Rabbit IgG (2AB02...) [Biotin](#)

Sheep Anti Rabbit IgG (STAR36...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#),
[DyLight®680](#), [DyLight®800](#)

Recommended Useful Reagents

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

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

'M318424:180718'

Printed on 01 Aug 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)