

## Datasheet: AHP1586

<b>Description:</b>	RABBIT ANTI HUMAN TGN46
<b>Specificity:</b>	TGN46
<b>Other names:</b>	TGOLN2
<b>Format:</b>	Serum
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.**

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	<p>Reacts with: Primate</p> <p><b>N.B.</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>
<b>Product Form</b>	Serum - liquid

**Antiserum Preparation** Antisera to human TGN46 were raised by repeated immunisation of rabbits with highly

purified recombinant human TGN46.

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**Preservative**  
**Stabilisers**

<0.1% Sodium Azide (NaN<sub>3</sub>)  
1% Bovine Serum Albumin  
50% Glycerol

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**Immunogen**

Recombinant human TGN46.

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**External Database**  
**Links**

**UniProt:**

[O43493](#)    [Related reagents](#)

**Entrez Gene:**

[10618](#)    TGOLN2    [Related reagents](#)

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**Synonyms**

TGN46, TGN51

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**RRID**

AB\_2303333

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**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.

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**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.](#)

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**Storage**

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.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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<b>Guarantee</b>	12 months from date of despatch
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<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10048 available at: <a href="https://www.bio-rad-antibodies.com/SDS/AHP1586">https://www.bio-rad-antibodies.com/SDS/AHP1586</a> 10048
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<b>Regulatory</b>	For research purposes only
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## Related Products

### Recommended Secondary Antibodies

- Sheep Anti Rabbit IgG (STAR34...) [FITC](#)  
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](#)  
Goat Anti Rabbit IgG (H/L) (STAR124...) [HRP](#)

### Recommended Useful Reagents

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

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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)  
'M389153:210806'

Printed on 25 Mar 2023