

## Datasheet: AHP499

**BATCH NUMBER 156428**

<b>Description:</b>	SHEEP ANTI RAT TGN38
<b>Specificity:</b>	TGN38
<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	▪			1/100 - 1/200
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			1/1000
Immunofluorescence	▪			
Immuno-electron Microscopy	▪			

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.

### Target Species

Rat

### Species Cross Reactivity

Reacts with: Mouse

**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.

### Product Form

serum diluted - liquid

**Antiserum Preparation** Antisera to TGN38 were raised by repeated immunisations of sheep with highly purified

antigen.

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**Buffer Solution** Phosphate buffered saline

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**Preservative** 0.09% Sodium Azide  
**Stabilisers** 1% Bovine Serum Albumin  
25% Glycerol

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**Immunogen** Recombinant fusion protein corresponding to extracellular domain of TGN38.

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**External Database Links**

**UniProt:**

[P19814](#)    [Related reagents](#)

**Entrez Gene:**

[192152](#) Tgoln1    [Related reagents](#)

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**RRID** AB\_2287346

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**Specificity** **Sheep anti Rat TGN38 antibody** recognizes rat TGN38, a 357 amino acid single pass trans membrane glycoprotein found primarily in the trans-golgi network, and acts as an excellent marker for this cellular organelle ([Humphrey \*et al.\* 1993](#)).

TGN38 is likely to have a role in intracellular transport ([McNamara \*et al.\* 2004](#)) and plays a role in morphological maintenance ([Girotti and Banting 1996](#)). It is the homologue of human TGN46 and macaque TGN47 ([Ponnambalam \*et al.\* 1996](#)).

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**Immunohistology** Fixation with methanol or methanol/acetone recommended.

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**References**

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**Further Reading**

1. Luzio, J.P. *et al.* (1990) Identification, sequencing and expression of an integral membrane protein of the trans-Golgi network (TGN38). [Biochem J. 270: 97-102.](#)
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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10048 available at: <https://www.bio-rad-antibodies.com/SDS/AHP499>  
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**Regulatory** For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

**North & South** Tel: +1 800 265 7376

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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)

'M379027:210323'

**Printed on 15 Mar 2024**

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