

Datasheet: AHP499G

Description:	SHEEP ANTI RAT TGN38
Specificity:	TGN38
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	25 µg

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	■			0.1ug/ml - 1ug/ml
Immunohistology - Paraffin			■	
ELISA			■	
Immunoprecipitation			■	
Western Blotting	■			0.1ug/ml - 1ug/ml
Immunofluorescence	■			

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.
Product Form	Purified IgG - liquid
Antiserum Preparation	Antisera to rat TGN38 were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.
Buffer Solution	Phosphate buffered saline
Preservative	0.09% Sodium Azide
Stabilisers	1% Bovine Serum Albumin
Approx. Protein Concentrations	IgG concentration 0.1 mg/ml
Immunogen	Recombinant fusion protein corresponding to extracellular domain of TGN38.

**External Database
Links**

UniProt:

[P19814](#) [Related reagents](#)

Entrez Gene:

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

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](#)).

Immunohistology

Fixation with methanol or methanol/acetone recommended.

References

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Further Reading	1. 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: 97-102.
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Storage	Store at +4°C or at -20°C if preferred.
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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.
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Health And Safety Information	Material Safety Datasheet documentation #10041 available at: 10041: https://www.bio-rad-antibodies.com/uploads/MSDS/10041.pdf
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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](#)

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#), [FITC](#), [HRP](#)

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