

Datasheet: AHP499

BATCH NUMBER 149621

Description:	SHEEP 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	▪			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.

Buffer Solution Phosphate buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 1% Bovine Serum Albumin
50% Glycerol

Immunogen Recombinant fusion protein corresponding to extracellular domain of TGN38.

External Database Links

UniProt:

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

Entrez Gene:

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

RRID AB_2287346

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

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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.

Guarantee 12 months from date of despatch

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

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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