Datasheet: AHP499G

<table>
<thead>
<tr>
<th><strong>Description:</strong></th>
<th>SHEEP ANTI RAT TGN38</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Specificity:</strong></td>
<td>TGN38</td>
</tr>
<tr>
<td><strong>Format:</strong></td>
<td>Purified</td>
</tr>
<tr>
<td><strong>Product Type:</strong></td>
<td>Polyclonal Antibody</td>
</tr>
<tr>
<td><strong>Isotype:</strong></td>
<td>Polyclonal IgG</td>
</tr>
<tr>
<td><strong>Quantity:</strong></td>
<td>25 µg</td>
</tr>
</tbody>
</table>

**Product Details**

**RRID** AB_2203272

**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).

<table>
<thead>
<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Cytometry</td>
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<tr>
<td>Immunohistology - Frozen</td>
<td></td>
<td></td>
<td></td>
<td>0.1ug/ml - 1ug/ml</td>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunoprecipitation</td>
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<td>Western Blotting</td>
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<td>0.1ug/ml - 1ug/ml</td>
</tr>
<tr>
<td>Immunofluorescence</td>
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</tr>
</tbody>
</table>

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 Stabilisers**

0.09% Sodium Azide  
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
15. Fortin, M.E. et al. (2006) Modulation of GJA1 turnover and intercellular communication by proinflammatory cytokines in the anterior pituitary folliculostellate cell line TtT/GF. Biol Reprod. 74:

Further Reading


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

18 months from date of despatch.

Health And Safety Information


Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Donkey Anti Sheep IgG (STAR88...) DyLight®488, FITC, HRP
Rabbit Anti Sheep IgG (H/L) (5184-2304...) Biotin