Datasheet: AHP500

Description: SHEEP ANTI HUMAN TGN46

Specificity: TGN46

Other names: TGOLN2

Format: Serum

Product Type: Polyclonal Antibody

Isotype: Polyclonal IgG

Quantity: 0.1 ml

Product Details

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.

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<tr>
<th>Applications</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<td>Flow Cytometry</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting</td>
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<td>Immunofluorescence</td>
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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  Human

Species Cross Reactivity  Reacts with: Primate

N.B. Antibody reactivity and working conditions may vary between species.

Product Form  Serum, diluted - liquid

Antiserum Preparation  Antisera to human TGN46 were raised by repeated immunisation of sheep with highly purified antigen.

Buffer Solution  Phosphate buffered saline

Preservative Stabilisers  0.02% Sodium Azide (NaN₃)

1% Bovine Serum Albumin

25% Glycerol

Immunogen  Recombinant human TGN46.
**External Database Links**

- UniProt: [O43493](UniProt/O43493)
- Related reagents

**Entrez Gene:**

- [10618](EntrezGene/10618) TGOLN2
- Related reagents

**Synonyms**

- TGN46, TGN51

**Specificity**

Sheep anti Human TGN46 antibody recognizes Trans-Golgi network integral membrane protein 2 (TGOLN2), also known as TGN38 homolog, TGN46, TGN48 or Trans-Golgi network protein TGN51. TGN46 is a 437 amino acid glycoprotein localized to the Trans-Golgi network. TGN46 has been reported as being the best available marker for human trans-Golgi network.

TGN46 is a heavily glycosylated protein of around 110-120 kDa. Multiple isoforms of TGN46 are generated by alternative splicing differing in sequence at the C-terminal portion. Sheep anti Human TGN46 antibody is expected to recognize all identified isoforms.

**Immunohistology**

Fixation with 3% paraformaldehyde or methanol/acetone is recommended.

**References**

15. Luo, S. et al. (2015) Contribution of N-linked glycans on HSV-2 gB to cell-cell fusion and
viral entry. Virology, 483: 72-82.

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.

Shelf Life
18 months from date of despatch.

Health And Safety Information

Regulatory
For research purposes only

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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