

Datasheet: AHP500G

BATCH NUMBER 173065

| | |
|----------------------|------------------------|
| Description: | SHEEP ANTI HUMAN TGN46 |
| Specificity: | TGN46 |
| Other names: | TGOLN2 |
| 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 (1) | ▪ | | | 0.1ug/ml - 1ug/ml |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | | | ▪ | |
| Western Blotting | ▪ | | | 0.1ug/ml - 1ug/ml |
| Immunofluorescence | ▪ | | | |

Where this product 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 product for use in their own system using appropriate negative/positive controls.

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

| | |
|---------------------------------|---|
| Target Species | Human |
| Species Cross Reactivity | <p>Reacts with: Primate</p> <p>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.</p> |
| Product Form | Purified IgG - liquid |

Antiserum Preparation Antisera to human TGN46 were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG prepared by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative <0.1% Sodium Azide (NaN₃)
Stabilisers 0.5% Bovine Serum Albumin
25% Glycerol

Approx. Protein Concentrations IgG concentration 0.25 mg/ml

Immunogen Recombinant human TGN46.

External Database Links

UniProt:

[O43493](#)

[Related reagents](#)

Entrez Gene:

[10618](#)

TGOLN2

[Related reagents](#)

Synonyms TGN46, TGN51

RRID AB_323104

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.

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Further Reading 1. Ponnambalam, S. *et al.* (1996) Primate homologues of rat TGN38: primary structure, expression and functional implications. [J Cell Sci. 109 \(Pt 3\): 675-85.](#)

Storage This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

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/AHP500G>

Regulatory For research purposes only

Related Products

Recommended Secondary Antibodies

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

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Printed on 01 Mar 2026