Datasheet for ABIN351003

# anti-TGOLN2 antibody

4 Images

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## Overview

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|---|---|
| Quantity: | 500 µg |
| Target: | TGOLN2 |
| Reactivity: | Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This TGOLN2 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

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| Immunogen: | A synthetic peptide from mouse TGN38 conjugated to blue carrier protein was used as the antigen. |
| Isotype: | IgG |
| Specificity: | Specific for TGN38 (or TGN46, TGN48, TGN51 in human). |
| Cross-Reactivity: | Human, Marmoset, Mouse, Rat |
| Cross-Reactivity (Details): | Other species not yet tested. |
| Purification: | IgG |

## Target Details

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| Target: | TGOLN2 |
| Alternative Name: | TGN38 (TGOLN2 Products) |

## Target Details

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| Background: | FUNCTION: May be involved in regulating membrane traffic to and from trans-Golgi network. SUBCELLULAR LOCATION: Cell membrane, Single-pass type I membrane protein. Golgi apparatus, trans-Golgi network membrane, Single-pass type I membrane protein. Note: Primarily in trans-Golgi network. Cycles between the trans-Golgi network and the cell surface returning via endosomes. TISSUE SPECIFICITY: Isoform TGN46 is widely expressed. Isoform TGN51 is more abundant in fetal lung and kidney. Isoform TGN48 is barely expressed in embryonic kidney and promyelocytic cells. MISCELLANEOUS: Not found in strains BALB/c, C57BL/6 and DBA/2.,Subcellular Markers,TGN, Trans-Golgi network protein TGN51, TGN46, TGN48, TGN38 homolog, Trans-Golgi network integral membrane protein 2, TGOLN2 |
| UniProt: | O43493 |

## Application Details

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| Application Notes: | IHC, WB. A concentration of 10-50 µg,ml is recommended. The optimal concentration should be determined by the end user. Not yet tested in other applications. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Reconstitution: | Reconstitute in 500 µL of sterile water. Centrifuge to remove any insoluble material. |
| Handling Advice: | Avoid freeze and thaw cycles. |
| Storage: | 4 °C/-20 °C |
| Storage Comment: | Maintain the lyophilised/reconstituted antibodies frozen at -20°C for long term storage and refrigerated at 2-8°C for a shorter term. When reconstituting, glycerol (1:1) may be added for an additional stability. Avoid freeze and thaw cycles. |
| Expiry Date: | 12 months |

 

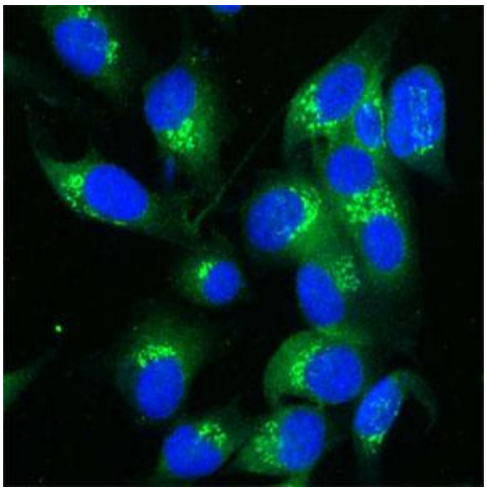

**Image 1.** Human Melanoma cell line C 32 was cultured overnight on round cover slides placed in a 24 well tissue culture plate. Culture media removed and washed twice with PBS before fixing with 2% formalin for 10 minutes. Cells were then washed three times with PBS and incubated with Tris 0.01M containing Triton X 0.005% for 15 minutes. Cells were washed and incubated with 100 µl of Rabbit antibody to TGN diluted 1:100 in the blocking buffer for 30 minutes. Welles were then washed 7 times with PBS and incubated with 100 µl of anti Rb-FITC conjugate diluted 1:100 in the blocking buffer for further 30 minutes. Cells were washed as before and nuclear counter stained with Hoechst and mounted on to slides.

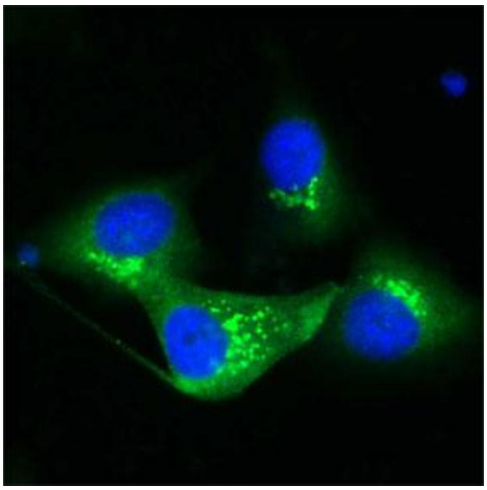

**Image 2.** Human Melanoma cell line C 32 was cultured overnight on round cover slides placed in a 24 well tissue culture plate. Culture media removed and washed twice with PBS before fixing with 2% formalin for 10 minutes. Cells were then washed three times with PBS and incubated with Tris 0.01M containing Triton X 0.005% for 15 minutes. Cells were washed and incubated with 100 µl of Rabbit antibody to TGN diluted 1:100 in the blocking buffer for 30 minutes. Welles were then washed 7 times with PBS and incubated with 100 µl of anti Rb-FITC conjugate diluted 1:100 in the blocking buffer for further 30 minutes. Cells were washed as before and nuclear counter stained with Hoechst and mounted on to slides.

 

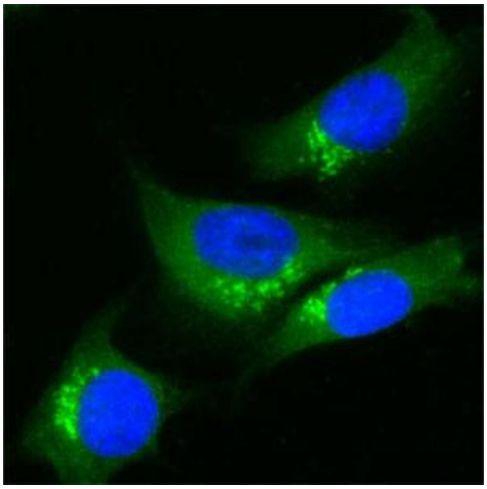

**Image 3.** Human Melanoma cell line C 32 was cultured overnight on round cover slides placed in a 24 well tissue culture plate. Culture media removed and washed twice with PBS before fixing with 2% formalin for 10 minutes. Cells were then washed three times with PBS and incubated with Tris 0.01M containing Triton X 0.005% for 15 minutes. Cells were washed and incubated with 100 µl of Rabbit antibody to TGN diluted 1:100 in the blocking buffer for 30 minutes. Welles were then washed 7 times with PBS and incubated with 100 µl of anti Rb-FITC conjugate diluted 1:100 in the blocking buffer for further 30 minutes. Cells were washed as before and nuclear counter stained with Hoechst and mounted on to slides.

Please check the product details page for more images. Overall 4 images are available for ABIN351003.

 