

# Product Datasheet

## TGN46 Antibody [Alexa Fluor® 647] NBP1-49643AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP1-49643AF647**

TGN46 Antibody [Alexa Fluor® 647]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Conjugate</b>	Alexa Fluor 647
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	10618
<b>Gene Symbol</b>	TGOLN2
<b>Species</b>	Human, Bovine, Monkey
<b>Reactivity Notes</b>	Monkey reactivity reported in scientific literature (PMID: 30135710). Bovine reactivity reported in scientific literature (PMID: 30135710).
<b>Marker</b>	TGN Marker
<b>Immunogen</b>	Partial recombinant protein made to an internal region of the human TGN46 protein (within residues 200-350). [Swiss-Prot: O43493]
<b>Notes</b>	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or <a href="mailto:outlicensing@lifetech.com">outlicensing@lifetech.com</a> . This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Flow (Intracellular), Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunoblotting, Flow (Intracellular), Knockout Validated
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.



## Images

TGN46 was detected in immersion fixed HepG2 human hepatocellular carcinoma cell line using Rabbit anti-TGN46 Affinity Purified Polyclonal Antibody conjugated to Alexa Fluor® 647 (Catalog # NBP1-49643AF647) (light blue) at 2 µg/mL overnight at 4C. Cells were counterstained with DAPI (dark blue). Cells were imaged using a 100X objective and digitally deconvolved.



## Publications

Steimle BL, Bailey DK, Smith FM Et al. Calcium and the Ca-ATPase SPCA1 modulate plasma membrane abundance of ZIP8 and ZIP14 to regulate Mn(II) uptake in brain microvascular endothelial cells J Biol Chem 2022-07-05 [PMID: 35787370] (ICC/IF, Human)

Details:

Citation using the Alexa Fluor 647 version of this antibody.



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### **Products Related to NBP1-49643AF647**

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NBP2-24891AF647	Rabbit IgG Isotype Control [Alexa Fluor® 647]
NBP1-49643AF700	TGN46 Antibody [Alexa Fluor® 700]
H00010618-Q01-10ug	Recombinant Human TGN46 GST (N-Term) Protein
2914-HT-100MG	Holo-Transferrin [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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