Datasheet: AHP500GT BATCH NUMBER 152174

Description:	SHEEP ANTI HUMAN TGN46
Specificity:	TGN46
Other names:	TGOLN2
Format:	Purified
Product Type:	Polyclonal Antibody
lsotype:	Polyclonal IgG
Quantity:	10 µg

Product Details

Applications	This product has been re derived from testing withi communications from the information. For general <u>rad-antibodies.com/proto</u>	n our lab originato protocol r	oratories, ors. Pleas	peer-reviewed publica e refer to references ir	ations or personal ndicated for further
		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	-			
	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	Reacts with: Primate 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.				
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.

Phosphate buffered saline			
0.02% Sodium Azide (NaN ₃)			
0.5% Bovine Serum Albumin			
25% Glycerol			
IgG concentration 0.25 mg/ml			
Recombinant human TGN46.			
UniProt:			
O43493 Related reagents			
Entroz Cono:			
10618 IGOLNZ <u>Related reagents</u>			
TGN/6 TGN51			
AB_2203291			
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 kD TGN46 are generated by alternative splicing differing in seque protion. Sheep anti Human TGN46 antibody is expeced to rec isoforms.	ence at the C-terminal		
 Prescott AR <i>et al.</i> (1997) Distinct compartmentalization of T 1,4-galactosyltransferase in HeLa cells. <u>Eur J Cell Biol. 72 (3)</u> Vuillier, F. <i>et al.</i> (2005) Lower levels of surface B-cell-recept lymphocytic leukemia are associated with glycosylation and for CD79a chains. <u>Blood. 105 (7): 2933-40.</u> Edwards, T.L. <i>et al.</i> (2009) Endogenous spartin (SPG20) is lipid droplets and interacts with the ubiquitin E3 ligases AIP4 at (1): 31-9. Roberts, R.C. <i>et al.</i> (2010) Mistargeting of SH3TC2 away fr causes Charcot-Marie-Tooth disease type 4C. <u>Hum Mol Gener</u> 5. Hauser, H. <i>et al.</i> (2010) HIV-1 Vpu and HIV-2 Env counterar sequestration in a perinuclear compartment. <u>Retrovirology. 7:</u> 6. Oliver, S.L. <i>et al.</i> (2011) Mutagenesis of varicella-zoster viru 	<u>238-46.</u> For expression in chronic olding defects of the mu and recruited to endosomes and and AIP5. <u>Biochem J. 423</u> om the recycling endosome <u>t.19: 1009-18.</u> ct BST-2/tetherin by <u>51.</u>		
	 0.02% Sodium Azide (NaN₃) 0.5% Bovine Serum Albumin 25% Glycerol IgG concentration 0.25 mg/ml Recombinant human TGN46. UniProt: 043493 Related reagents Entrez Gene: 10618 TGOLN2 Related reagents TGN46, TGN51 AB_2203291 Sheep anti Human TGN46 antibody recognizes Trans-Golgi protein 2 (TGOLN2), also known as TGN38 homolog, TGN46, network protein TGN51. TGN46 has been reported as being the 1 human trans-Golgi network. TGN46 are generated by alternative splicing differing in seque protion. Sheep anti Human TGN46 antibody is expeced to recisoforms. 1. Prescott AR <i>et al.</i> (1997) Distinct compartmentalization of T 1,4-galactosyltransferase in HeLa cells. Eur J Cell Biol. 72 (3) 2. Vuillier, F. <i>et al.</i> (2009) Endogenous spartin (SPG20) is lipid droplets and interacts with the ubiquitin E3 ligases AIP4 at (1): 31-9. 4. Roberts, R.C. <i>et al.</i> (2010) Mistargeting of SH3TC2 away fr causes Charcot-Marie-Tooth disease type 4C. Hum Mol Gene 5. Hauser, H. <i>et al.</i> (2010) HIV-1 Vpu and HIV-2 Env counteral sequestration in a perinuclear compartment. Retrovirology, 7: 		

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Further Reading	1. Ponnambalam, S. <i>et al.</i> (1996) Primate homologues of rat T expression and functional implications. <u>J Cell Sci. 109 (Pt 3)</u> :	
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 repeaters as this may denature the antibody. Should this product contain recommend microcentrifugation before use.	с с
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/AHP500GT 10048	
Regulatory	For research purposes only	

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Printed on 20 Mar 2025

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