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Datasheet for ABIN1169059

Recombinant anti-Golgin B1 (GOLGB1) antibody

2 Publications



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Overview

Quantity:	100 μg
Target:	Golgin B1 (GOLGB1)
Reactivity:	Human, Mouse
Host:	Human
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Immunocytochemistry (ICC)

Product Details

Immunogen:	Human recombinant giantin.
Clone:	TA10
Isotype:	IgG2
Specificity:	Recognizes human and mouse giantin.
Cross-Reactivity:	Human, Mouse (Murine)
Purification:	Purified from HEK 293 cell culture supernatant.
Purity:	>95 % (SDS-PAGE)

Target Details

Target:	Golgin B1 (GOLGB1)
Alternative Name:	Giantin (GOLGB1 Products)

Target Details

Background:	Giantin, the largest Golgi membrane protein, is C-terminally anchored to cis- and medial-Golgi membranes and forms a long ~250nm coiled-coil rod that directly interacts with microtubules in a cell-cycle regulated way. It is an excellent marker for mammalian golgi complex. It is also an antigen in chronic rheumatoid arthritis and in the autoimmune disease Sjoegren syndrome.
UniProt:	Q14789
Pathways:	SARS-CoV-2 Protein Interactome

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Pathways:	SARS-CoV-2 Protein Interactome
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	anti-Giantin, monoclonal antibody (recombinant) (TA10) is composed of human variable
	regions (VH and VL) (lambda-chain) of immunoglobulin fused to the human lgG2 Fc domain.
	anti-Giantin, monoclonal antibody (recombinant) (TA10) is an antibody developed by antibody
	phage display technology using a human naive antibody gene library. These libraries consist o
	scFv (single chain fragment variable) composed of VH (variable domain of the human
	immunoglobulin heavy chain) and VL (variable domain of the human immunoglobulin light
	chain) connected by a polypeptide linker. The antibody fragments are displayed on the surface
	of filamentous bacteriophage (M13). This scFv was selected by affinity selection on antigen in
	a process termed panning. Multiple rounds of panning are performed to enrich for antigen-
	specific scFv-phage. Monoclonal antibodies are subsequently identified by screening after each
	round of selection. The selected monoclonal scFv is cloned into an appropriate vector
	containing a Fc portion of interest and then produced in mammalian cells to generate an IgG
	like scFv-Fc fusion protein.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 10 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

Storage Comment:

Short Term Storage: +4°C

Long Term Storage: -20°C

Stable for at least 1 month after receipt when stored at +4°C. Stable for at least 1 year after receipt when stored at -20°C.

Expiry Date:

12 months

Publications

Product cited in:

Ferrari, Palleschi, Bartoli, Polli, Armiraglio, Parafioriti, Croci, Tosi: "Management of intrathoracic phosphaturic mesenchymal tumor by nonintubated uniportal video-assisted thoracic surgery in

).

a fragile patient." in: Cancer reports (Hoboken, N.J.), Vol. 5, Issue 5, pp. e1500, (2022) (PubMed