

Alexa Fluor® 488 anti-Giantin Antibody

Catalog# / Size	621353 / 50 µL
Clone	Poly23A01
Regulatory Status	RUO
Other Names	Golgin subfamily B member 1, macrogolgin, golgi integral membrane protein 1, 372 kD Golgi complex-associated protein, golgin B1, golgi integral membrane protein, golgi autoantigen, golgin subfamily b, macrogolgin (with transmembrane signal)
Isotype	Rabbit Polyclonal IgG
Description	Giantin is a membrane-inserted component of the cis and medial Golgi with a large rod-like cytoplasmic domain. This antibody serves as an excellent marker for the Golgi complex in mammalian cells.

Product Details

Verified Reactivity	Human
Antibody Type	Polyclonal
Host Species	Rabbit
Immunogen	Recombinant fragment of human giantin N-terminus
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide
Preparation	The antibody was purified by affinity chromatography and conjugated with Alexa Fluor® 488 under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	ICC - Quality tested
Recommended Usage	<p>Each lot of this antibody is quality control tested by immunocytochemistry. For immunocytochemistry, a dilution of 1:200 - 1:800 µg/mL is recommended. It is recommended that the reagent be titrated for optimal performance for each application.</p> <p>* Alexa Fluor® 488 has a maximum emission of 519 nm when it is excited at 488 nm.</p> <p>Alexa Fluor® and Pacific Blue™ are trademarks of Life Technologies Corporation.</p> <p>View full statement regarding label licenses</p>
Excitation Laser	Blue Laser (488 nm)
Additional Product Notes	For Immunocytochemistry (ICC), the recommended fixation/permeabilization method is 4% paraformaldehyde/0.5% Triton X-100, or paraformaldehyde followed by ice-cold methanol, or ice-cold methanol fixed only.
RRID	AB_3699063 (BioLegend Cat. No. 621353)

Antigen Details

Structure	Homodimer
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Distribution	Widely express in tissues/localized to Golgi apparatus membrane
Function	Participate in forming intercisternal cross-bridges of the Golgi complex
Biology Area	Cell Biology, Neuroscience, Neuroscience Cell Markers
Molecular Family	Golgi Markers
Antigen References	<ol style="list-style-type: none"> 1. Day PM, <i>et al.</i> 2013. <i>J. Virol.</i> 87:3862-70. 2. Linstedt AD and Hauri HP. 1993. <i>Mol. Biol. Cell.</i> 4:679-93.

Gene ID [2804](#)

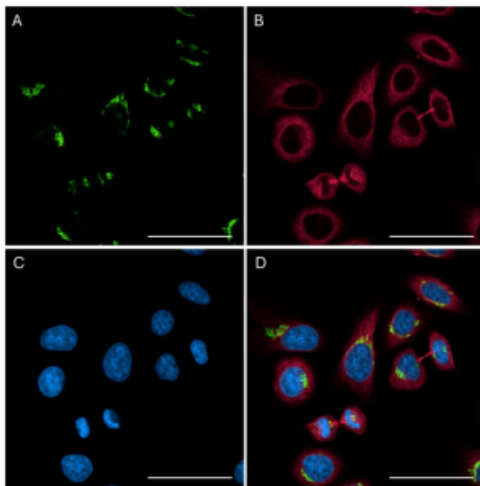
Related Protocols

- [Immunocytochemistry Staining Protocol](#)

Other Formats

Purified anti-Giantin, Alexa Fluor® 488 anti-Giantin

Product Data



HeLa cells were fixed with 4% PFA Fixation Buffer (Cat. No. 420801) for 10 minutes and permeabilized with 0.5% Triton X-100 for 10 minutes and blocked with 5% FBS for 1 hour at room temperature. Cells were then stained with Alexa Fluor® 488 anti-Giantin (clone Poly23A01) (panel A). Cells were also co-stained with Alexa Fluor® 647 anti-Tubulina (clone 10D8) (panel B) and nuclei were counterstained with DAPI (Cat. No. 422801) (panel C). The images were captured on a Revvity Operetta CLS™ High Content Analysis System with a 63X objective and merged (panel D). Scale bar: 50 µm

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