

DESCRIPTION

Species Reactivity	Human/Rat
Specificity	Detects human GOLGB1/Giantin in direct ELISAs. Detects human and rat GOLGB1/Giantin in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human GOLGB1/Giantin Ser1596-Glu1702 Accession # Q14789
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

GOLGB1, also known as Giantin and Macrogolgin, is a 360 to 400 kDa member of the Golgin protein family. GOLGB1 is an integral component of the Golgi membrane that associates with the cytoskeleton. It may be involved in both forming intercisternal cross-bridges that mediate stacking in Golgi complexes, and in reorganizing the complexes after they fragment during mitosis. GOLGB1 has also been identified as an autoantigen in chronic rheumatoid arthritis, and in the autoimmune disease Sjogren syndrome. Human GOLGB1 is 3259 amino acids (aa) in length, and over aa 1596-1702, shares 92% and 91% sequence identity with its mouse and rat orthologs, respectively.

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