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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Giantin [TA10] Bulk Size Ab04207-10.0-BT

Isotype and Format: Human IgG1, Lambda

Clone Number: TA10

Alternative Name(s) of Target: Golgin subfamily B member 1; 372 kDa Golgi complex-associated protein; GCP372; Macrogolgin

UniProt Accession Number of Target Protein:

Published Application(s): *in vivo*, WB, IF

Published Species Reactivity: Rat, Human

Immunogen: The original antibody was generated via phage display from the Griffin.1 library by screening against Rat liver Golgi (RLG) complexes derived from rat liver.

Specificity: This antibody is specific for a 79 amino acid long region between amino acids 1462 to 1540 of the full human sequence (corresponding to amino acids 1399 to 1478 in the rat homologue) in Giantin, a Golgi matrix protein.

Application Notes: The original format of this antibody (scFv) was successfully used in a Western blot and for *in vitro* immunofluorescence staining of Giantin in HeLa cells. siRNA knock-down of Giantin reduced TA10 staining, confirming its specificity. Furthermore, an *in vivo* expressed TA10-GFP construct successfully stained HeLa cells (Nizak et al., 2003; PMID: 14617357). The scFv-Fc fusion version of this antibody — hTA10 — detected Giantin when cells were fixed by paraformaldehyde (Moutel et al., 2009; PMID: 19245715). Precise characterization of the TA10 target was achieved; a region of 79 amino acids, representing less than 2.5% of the entire protein, was determined as its binding site (Vielemeyer et al., 2010; PMID: 20727208).

Antibody First Published in: Nizak et al. Recombinant antibodies against subcellular fractions used to track endogenous Golgi protein dynamics *in vivo* Traffic. 2003 Nov;4(11):739-53. doi: 10.1034/j.1600-0854.2003.00132.x [PMID:14617357](#)

Note on publication: The original publication demonstrates the use of recombinant antibodies selected through phage display against subcellular fractions.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.