10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

GOLGIN97 Antibody
Catalog # ASC11937

Specification

GOLGIN97 Antibody - Product Information

Application	**WB, IHC, IF**
Primary Accession	Q92805
Other Accession	NP_002068, 4504063
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 84 kDa; Observed: 120 kDa KDa**
Application Notes	**GOLGIN97 antibody can be used for detection of GOLGIN97 by Western blot at 1 - 2 µg/ml. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL.**

GOLGIN97 Antibody - Additional Information

Gene ID	**2800**

Target/Specificity
GOLGA1; GOLGIN97 antibody is human, mouse and rat reactive. At least two isoforms of GOLGIN97 are known to exist; this antibody will detect only the longer isoform. GOLGIN97 antibody is predicted to not cross-react with other GOLGIN family proteins.

Reconstitution & Storage
GOLGIN97 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
GOLGIN97 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

GOLGIN97 Antibody - Protein Information

Name GOLGA1

Function
Involved in vesicular trafficking at the Golgi apparatus level. Involved in endosome-to-Golgi trafficking.

Cellular Location
Golgi apparatus membrane; Peripheral membrane protein Golgi apparatus, trans-Golgi network membrane. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q9CW79}

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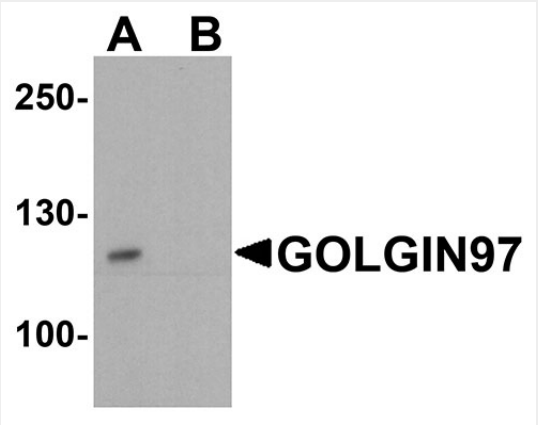
GOLGIN97 Antibody - Protocols

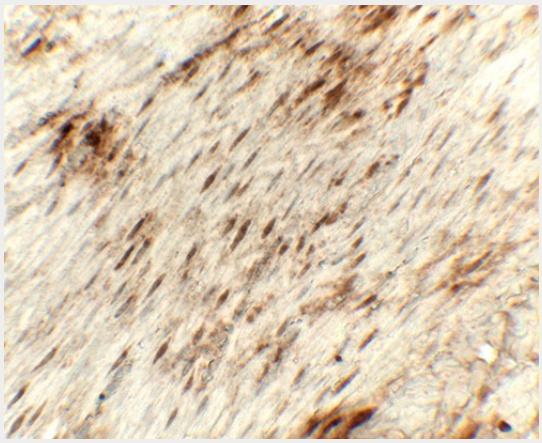
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GOLGIN97 Antibody - Images



Western blot analysis of GOLGIN97 in human stomach tissue lysate with GOLGIN97 antibody at 1 µg/ml in (A) the absence and (B) the presence of blocking petpide.



Immunohistochemistry of GOLGIN97 in rat stomach tissue with GOLGIN97 antibody at 5 µg/mL.

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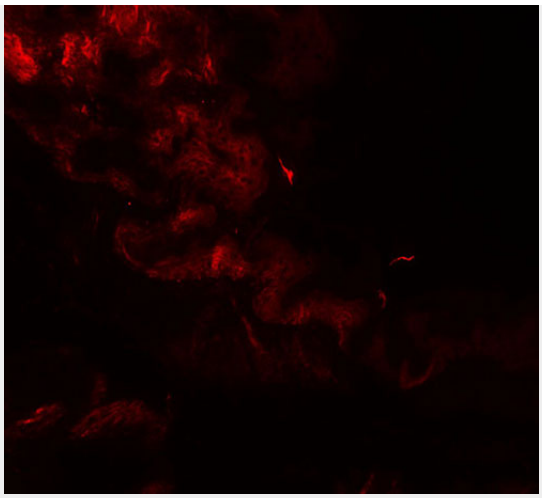

Immunofluorescence of GOLGIN97 in rat stomach tissue with GOLGIN97 antibody at 20 µg/mL.

GOLGIN97 Antibody - Background

GOLGIN97 was initially isolated as a Golgi complex autoantigen associated with Sjogren's syndrome, a chronic autoimmune disease in which the body's white blood cells destroy the exocrine glands, specifically the salivary and lacrimal glands (1,2). GOLGIN97 plays a role as a tethering molecule in endosome to the trans-Golgi network (TGN) retrograde traffic (3). FIP1/RCP binding to GOLGIN97 is required for tethering and fusion of recycling endosome retrograde transport vesicles to the TGN (4).

GOLGIN97 Antibody - References

Griffith KJ, Chan EK, Lung CC, et al. Molecular cloning of a novel 97-kd Golgi complex autoantigen associated with Sjogren's syndrome. Arthritis Rheum. 1997; 40:1693-702.
Borchers AT, Naguwa SM, Keen CL, et al. Immunopathogenesis of Sjogren's syndrome. Clin. Rev. Allergy Immunol. 2003; 25:89-104.
Lu L, Tai G, and Hong W. Autoantigen Golgin-97, and effector of ARL1 GTPase, participates in traffic from the endosome to the trans-Golgi network. Mol. Biol. Cell 2004; 15:4426-43.
Jing J, Junutula JR, Wu C, et al. FIP1/RCP binding to Golgin-97 regulates retrograde transport from recycling endosomes to the trans-Golgi network. Mol. Biol. Cell 2010; 21:3041-53.