Rabbit GOLGIN97 Polyclonal Antibody | anti-GOLGA1 antibody

GOLGIN97 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40824	**Rabbit**	**Human, Mouse, Rat**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

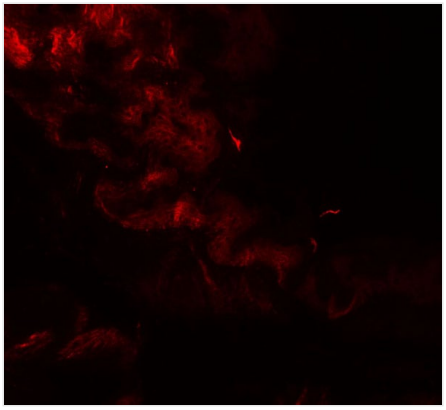
PRODUCT SYNONYMS

GOLGIN97; Polyclonal Antibody; GOLGIN97 Antibody; Golgin subfamily A member 1; GOLGA1; GOLGIN A1; GOLGIN-97; anti-GOLGA1 antibody

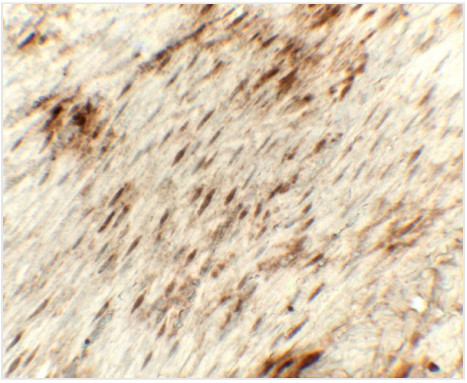
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	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.
Purity/Purification	Affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	767
Applicable Applications for anti-GOLGA1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	GOLGIN97 antibody was raised against a 17 amino acid peptide near the amino terminus of human GOLGIN97.
Buffer	Supplied in PBS containing 0.02% sodium azide.
Positive Control 1	Human Stomach Tissue Lysate
Conjugate	Unconjugated
MW Explanation	Heavily post-translationally modifed, multiple independent GOLGIN97 antibodies show bands at ~120kDa
Preparation and Storage	Store at 4 degree C for three months and -20 degree C, stable for up to one year.

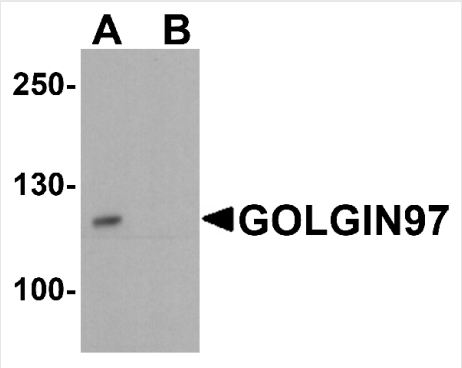
IMAGES



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



IHC (Immunohiostchemistry)
Immunohistochemistry of GOLGIN97 in rat stomach tissue with GOLGIN97 antibody at 5 μg/mL.



WB (Western Blot)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-GOLGA1 antibody	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).
Product Categories/Family for anti-GOLGA1 antibody	Homeostasis; Immunology
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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504063
NCBI GeneID	2800
NCBI Accession #	NP_002068

NCBI GenBank Nucleotide #	NM_002077.3
UniProt Accession #	Q92805; Q5T164; Q8IYZ9
Molecular Weight	Predicted: 84 kDa Observed: 120 kDa
NCBI Official Full Name	golgin subfamily A member 1
NCBI Official Synonym Full Names	golgin A1
NCBI Official Symbol	GOLGA1
NCBI Official Synonym Symbols	golgin-97
NCBI Protein Information	golgin subfamily A member 1
UniProt Protein Name	Golgin subfamily A member 1
UniProt Gene Name	**GOLGA1**
UniProt Entry Name	GOGA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/polyclonal/golgin97-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40824