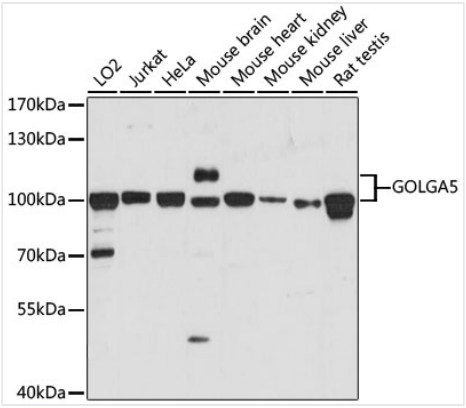
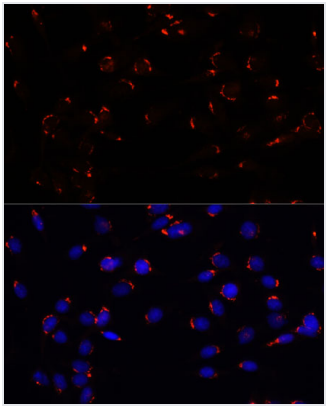
GOLGA5 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

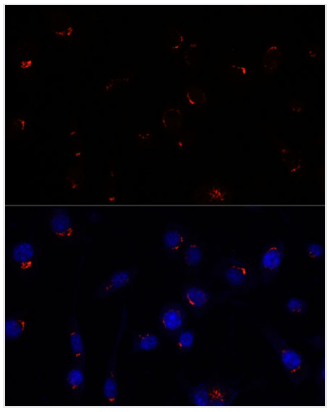
Product Name	GOLGA5, Polyclonal Antibody
Full Product Name	GOLGA5 Rabbit Polyclonal Antibody
Product Gene Name	anti-GOLGA5 antibody
Product Synonym Names	GOLGA5; GOLIM5; RFG5; ret-II; golgin A5
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Predicted: 64; 80 kDa Observed: 65; 78 kDa
OMIM	phenotype 606918
3D Structure	ModBase 3D Structure for Q8TBA6
Immunogen	Recombinant fusion protein of human GOLGA5 (NP_005104.3).
Product Categories/Family for anti-GOLGA5 antibody	Primary Antibody
Applications Tested/Suitable for anti-GOLGA5 antibody	Western Blot (WB), Immunofluorescence (IF)
Application Notes for anti-GOLGA5 antibody	WB: 1:500-1:2000 IF: 1:50-1:200
Related Product Information for anti-GOLGA5 antibody	The Golgi apparatus, which participates in glycosylation and transport of proteins and lipids in the secretory pathway, consists of a series of stacked cisternae (flattened membrane sacs). Interactions between the Golgi and microtubules are thought to be important for the reorganization of the Golgi after it fragments during mitosis. This gene encodes one of the golgins, a family of proteins localized to the Golgi. This protein is a coiled-coil membrane protein that has been postulated to play a role in vesicle tethering and docking. Translocations involving this gene and the ret proto-oncogene have been found in tumor tissues; the chimeric sequences have been designated RET-II and PTC5. A pseudogene of this gene is located on the short arm of chromosome 5.
Other Notes	Small volumes of anti-GOLGA5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GOLGA5 purchase	MBS9465309 is an antibody targeting GOLGA5. Also known as GOLGA5 Rabbit Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-GOLGA5 antibody
Western blot analysis of extracts of various cell lines, using GOLGA5 at 1:1000 dilution.



Immunofluorescence (IF) of anti-GOLGA5 antibody
Immunofluorescence analysis of C6 cells using GOLGA5 at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence (IF) of anti-GOLGA5 antibody
Immunofluorescence analysis of L929 cells using GOLGA5 at dilution of 1:100. Blue: DAPI for nuclear staining.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GOLGA5. It may not necessarily be applicable to this product.

NCBI GI #	30260188
NCBI GeneID	9950
NCBI Accession #	NP_005104
UniProt Primary Accession #	Q8TBA6
UniProt Secondary Accession #	O95287; Q03962; Q2TS49; Q9UQQ7; C9JRU1
UniProt Related Accession #	Q8TBA6
GenBank Nucleotide #	NM_005113.2
NCBI Official Full Name	Golgin subfamily A member 5
NCBI Official Synonym Full Names	golgin A5
NCBI Official Symbol	GOLGA5
NCBI Official Synonym Symbols	RFG5; GOLIM5; ret-II
UniProt Protein Name	Golgin subfamily A member 5
UniProt Synonym Protein Names	Cell proliferation-inducing gene 31 protein; Golgin-84; Protein Ret-II; RET-fused gene 5 protein
Protein Family	Golgin subfamily

UniProt Gene Name	GOLGA5
UniProt Synonym Gene Names	RETII; RFG5
UniProt Entry Name	GOGA5_HUMAN
NCBI Protein Information	Golgin subfamily A member 5; golgin-84; RET-fused gene 5 protein; golgi integral membrane protein 5; golgi autoantigen, golgin subfamily a, 5; cell proliferation-inducing gene 31 protein
UniProt Comments for GOLGA5	GOLGA5: a member of the golgin family of proteins, whose members localize to the Golgi. Involved in regulating the architecture of the Golgi apparatus. A coiled-coil membrane protein that has been postulated to play a role in vesicle tethering and docking. Translocations involving this gene and the ret proto-oncogene have been found in tumor tissues. Highly phosphorylated during mitosis. Phosphorylation is barely detectable during interphase. Two splice variant isoforms have been described. Protein type: Membrane protein, integral; Cytoskeletal Chromosomal Location of Human Ortholog: 14q32.12 Cellular Component: Golgi membrane; Golgi apparatus; Golgi cisterna; cis-Golgi network; membrane; integral to membrane Molecular Function: protein homodimerization activity; Rab GTPase binding Biological Process: Golgi organization and biogenesis; Golgi vesicle transport Disease: Thyroid Carcinoma, Papillary
Research Articles on GOLGA5	**1.** Golgin-84 on coat protein I vesicles interacts with the conserved oligomeric Golgi complex before SNARE assembly.
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