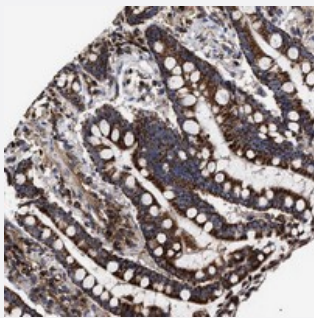


# COG5 polyclonal antibody

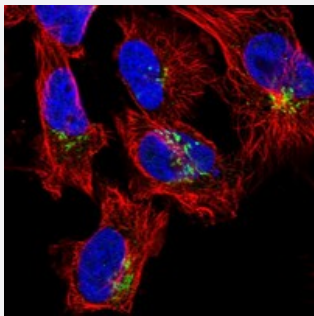
Catalog # PAB21288      Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon with COG5 polyclonal antibody (Cat # PAB21288) shows strong cytoplasmic positivity in granular pattern in glandular cells.



### Immunofluorescence

Immunofluorescent staining of human cell line U-251MG with COG5 polyclonal antibody (Cat # PAB21288) at 1-4 ug/mL dilution shows positivity in golgi apparatus.

## Specification

Product Description	Rabbit polyclonal antibody raised against recombinant COG5.
Immunogen	Recombinant protein corresponding to amino acids of human COG5.
Sequence	SFWTNMEKLMDDHYAVCGQVQHLQKVLAKKRDPVSHICFIEEIKDGGQPEIFYTFWNSVTQALSSQ FHMATNSSMFLKQAFEGEYPKLLRLYNDLWKRLQQYSQHIQGNFNASGTTDLVD
Host	Rabbit
Reactivity	Human
Form	Liquid

<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunohistochemistry (1:200-1:500) Immunofluorescence (1-4 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human colon with COG5 polyclonal antibody (Cat # PAB21288) shows strong cytoplasmic positivity in granular pattern in glandular cells.

- Immunofluorescence

Immunofluorescent staining of human cell line U-251MG with COG5 polyclonal antibody (Cat # PAB21288) at 1-4 ug/mL dilution shows positivity in golgi apparatus.

## Gene Info — COG5

<b>Entrez GeneID</b>	<a href="#">10466</a>
<b>Protein Accession#</b>	<a href="#">Q9UP83</a>
<b>Gene Name</b>	COG5
<b>Gene Alias</b>	GOLTC1, GTC90
<b>Gene Description</b>	component of oligomeric golgi complex 5
<b>Omim ID</b>	<a href="#">606821</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>

**Gene Summary**

Multiprotein complexes are key determinants of Golgi apparatus structure and its capacity for intracellular transport and glycoprotein modification. Several complexes have been identified, including the Golgi transport complex (GTC), the LDLC complex, which is involved in glycosylation reactions, and the SEC34 complex, which is involved in vesicular transport. These 3 complexes are identical and have been termed the conserved oligomeric Golgi (COG) complex, which includes COG5 (Ungar et al., 2002 [PubMed 11980916]).[supplied by OMIM]

**Other Designations**

conserved oligomeric Golgi complex protein 5|golgi transport complex 1 (90 kDa subunit)

**Disease**

- [Genetic Predisposition to Disease](#)
- [Osteoarthritis](#)