



Rabbit Anti-COG1 antibody

SL6647R

Product Name:	COG1
Chinese Name:	COG1 蛋白抗体
Alias:	Ldlbc; CDG2Gv Component of oligomeric golgi complex 1; Conserved oligomeric Golgi complex protein 1; Low density lipoprotein receptor defect B complementing; COG1_HUMAN.
文献引用 PubMed :	Specific References(1) SL6647R has been referenced in 1 publications. [IF=2.75] Dechtawewat, Thanyaporn, et al. "Mass spectrometric analysis of host cell proteins interacting with dengue virus nonstructural protein 1 in dengue virus-infected HepG2 cells." Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics (2016). IP;Human. PubMed:27108190
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	109kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human COG1:501-600/980
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized

	antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>There are eight COG proteins (COG1-8) which form a Golgi-localized complex (COG) required for normal Golgi morphology and function. It is thought that COG1 is required for steps in the normal medial and trans Golgi-associated processing of glycoconjugates and plays a role in the organization of the Golgi-localized complex.</p> <p>Function: Required for normal Golgi function (By similarity).</p> <p>Subunit: Component of the conserved oligomeric Golgi complex which is composed of eight different subunits and is required for normal Golgi morphology and localization.</p> <p>Subcellular Location: Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side.</p> <p>DISEASE: Defects in COG1 are the cause of congenital disorder of glycosylation type 2G (CDG2G) [MIM:611209]; also known as CDG-II caused by COG1 deficiency. CDGs are a family of severe inherited diseases caused by a defect in glycoprotein biosynthesis. They are characterized by under-glycosylated serum glycoproteins. These multisystem disorders present with a wide variety of clinical features, such as disorders of the nervous system development, psychomotor retardation, dysmorphic features, hypotonia, coagulation disorders and immunodeficiency. The broad spectrum of features reflects the critical role of N-glycoproteins during embryonic development, differentiation, and maintenance of cell functions. Clinical features of CDG2G include failure to thrive, generalized hypotonia, growth retardation and mild psychomotor retardation. CDG2G is biochemically characterized by a defect in O-glycosylation as well as N-glycosylation.</p> <p>Similarity: Belongs to the COG1 family.</p> <p>SWISS: Q8WTW3</p> <p>Gene ID: 9382</p> <p>Database links: Entrez Gene: 9382Human</p>

[Entrez Gene: 16834](#)Mouse

[Omin: 606973](#)Human

[SwissProt: Q8WTW3](#)Human

[SwissProt: Q9Z160](#)Mouse

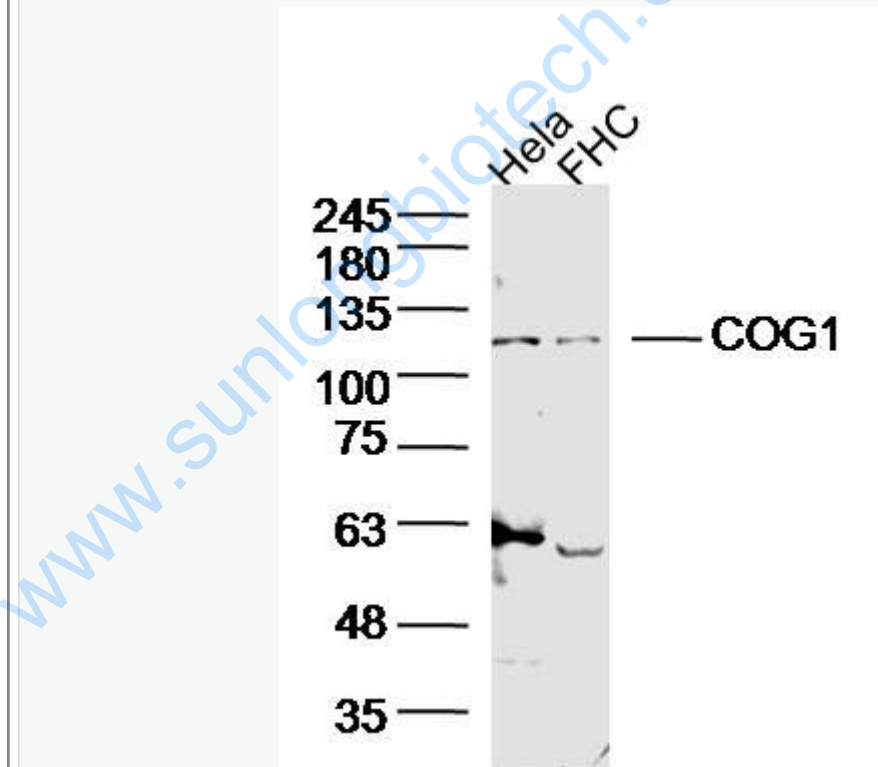
[Unigene: 103555](#)Human

[Unigene: 261620](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

HeLa Cell (Human) Lysate at 40 ug

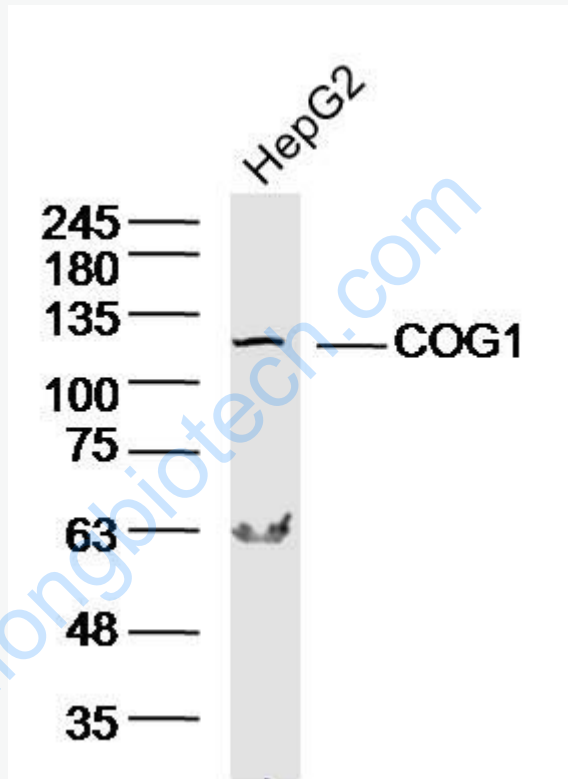
FHC Cell (Human) Lysate at 40 ug

Primary: Anti-COG1 (SL6647R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 109 kD

Observed band size: 109 kD



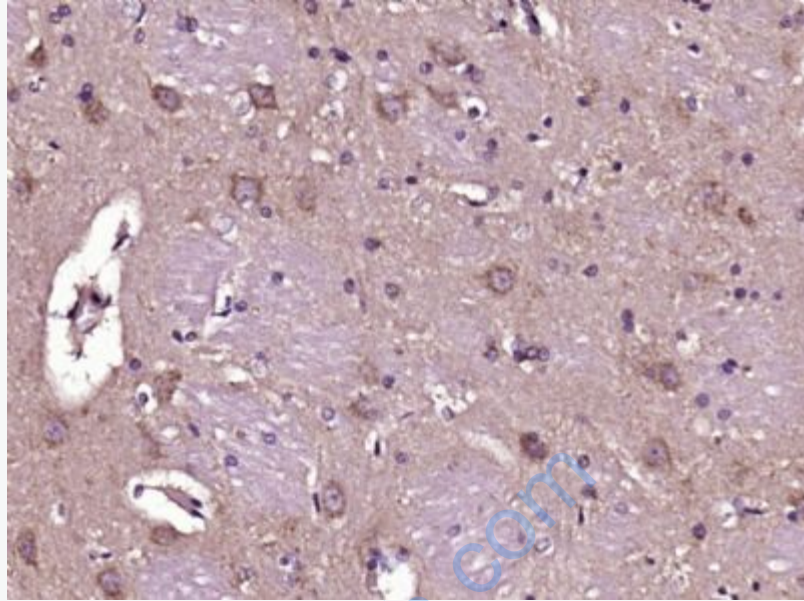
Sample: HepG2 Cell (Human) Lysate at 40 ug

Primary: Anti-COG1 (SL6647R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 109 kD

Observed band size: 109 kD



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (COG1) Polyclonal Antibody, Unconjugated (SL6647R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.