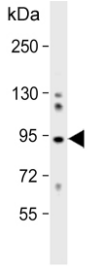
COG4 Antibody / Conserved oligomeric Golgi complex subunit 4 (F54928)

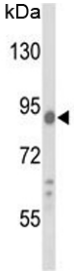
Catalog No.	Formulation	Size
F54928-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54928-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

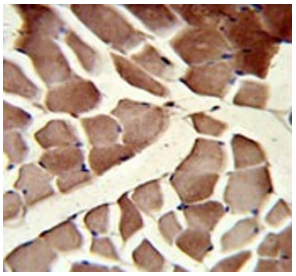
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9H9E3
Localization	Cytoplasmic
Applications	Flow Cytometry : 1:10-1:50 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:50-1:100 Western Blot : 1:500-1:1000
Limitations	This COG4 antibody is available for research use only.



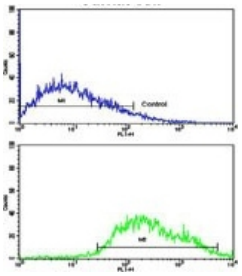
Western blot testing of human K562 cell lysate with COG4 antibody. Predicted molecular weight ~89 kDa.



Western blot testing of human A2058 cell lysate with COG4 antibody. Predicted molecular weight ~89 kDa.



IHC testing of FFPE human skeletal muscle tissue with COG4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Flow cytometry testing of human Jurkat cells with COG4 antibody; Blue=isotype control, Green= COG4 antibody.

Description

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 COG4.

Application Notes

The stated application concentrations are suggested starting points. Titration of the COG4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 757-785 from the human protein was used as the immunogen for the COG4 antibody.

Storage

Aliquot the COG4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.