bs-6647R **[Primary Antibody]**

COG1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 9382

Target: COG1

Immunogen: KLH conjugated synthetic peptide derived from human COG1: 501-600/980.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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.

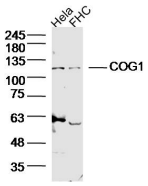
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Rat

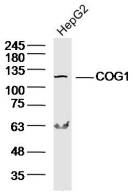
Predicted MW.: 109 kDa

Subcellular Location: Cytoplasm

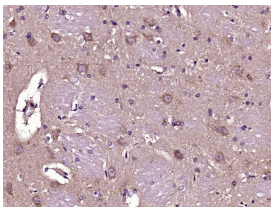
VALIDATION IMAGES



Sample: Hela Cell (Human) Lysate at 40 ug FHC Cell (Human) Lysate at 40 ug Primary: Anti-COG1 (bs-6647R) 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 (bs-6647R) 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 (bs-6647R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

SELECTED CITATIONS

- **[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. 27108190