

## Anti-COG1 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human,Rat
Molecular Weight:	Theoretical: 109 kDa. Actual: 109 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	<p>1. Sample: HepG2 Cell (Human) Lysate at 40 µg Primary: Anti-COG1 (TMAB-04512) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 109 kD Observed band size: 109 kD</p> <p>2. Sample: Hela Cell (Human) Lysate at 40 µg FHC Cell (Human) Lysate at 40 µg Primary: Anti-COG1 (TMAB-04512) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 109 kD Observed band size: 109 kD</p> <p>3. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (COG1) Polyclonal Antibody, Unconjugated (TMAB-04512) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.</p>
Application:	WB,IHC-P,IHC-Fr,IF
Recommended	WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human COG1
Antigen Species:	Human
Gene ID:	9382

## Research 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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