

## Anti-GCC1 Polyclonal Antibody

## Product Details

Ig Type:	IgG
Reactivity:	Human, Mouse (predicted: Rat, Chicken, Dog, Pig, Cow, Horse, Sheep)
Molecular Weight:	Theoretical: 88 kDa. Actual: 88 kDa.
Purification:	Protein A purified

## Applications

Verified Activity:	1. Sample: A549 (Human) Cell Lysate at 30 µg Primary: Anti-GCC1 (TMAB-06374) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 88 kD Observed band size: 88 kD
	2. Paraformaldehyde-fixed, paraffin embedded (mouse 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 (GCC1) Polyclonal Antibody, Unconjugated (TMAB-06374) at 1: 200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
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 GCC1
Antigen Species:	Human
Gene ID:	79571
Uniprot ID:	Q96CN9

## Research Background

GCC1 is a 775 amino acid cytoplasmic and peripheral membrane protein of the Golgi apparatus. Involved in maintenance of Golgi structure, GCC1 is essential for retrograde transport of cargo from the early endosomes to the trans-Golgi network. GCC1 contains one GRIP domain and is encoded by a gene that maps to human chromosome 7q32.1. Chromosome 7 houses over 1,000 genes, comprises nearly 5% of the human genome and has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

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

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