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GCC1 Rabbit pAb

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Catalog # AP55129

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q96CN9
Reactivity	Human, Mouse
Predicted	Rat, Chicken, Dog, Pig, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	87811
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GCC1
Epitope Specificity	401-500/775
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein.
SIMILARITY	Contains 1 GRIP domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	79571
Other Names	GRIP and coiled-coil domain-containing protein 1, Golgi coiled-coil protein 1, GCC1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	GCC1
Function	Probably involved in maintaining Golgi structure.
Cellular Location	Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein

Background

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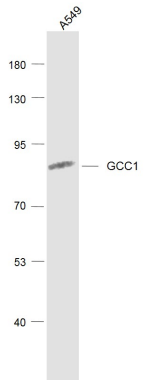
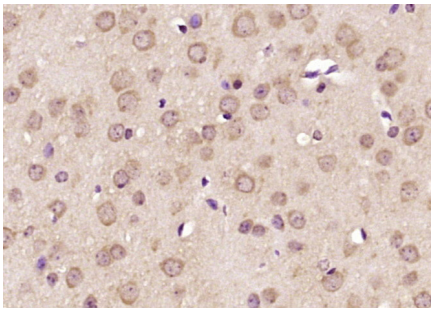
Images



Sample:
A549(Human) Cell Lysate at 30 ug
Primary: Anti-GCC1 (AP55129) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 88 kD
Observed band size: 88 kD



Paraformaldehyde-fixed, paraffin embedded (mouse 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 (GCC1) Polyclonal Antibody, Unconjugated (AP55129) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.