

Datasheet for 600-401-BM2**GOLPH1 Antibody****Overview**

Description:	Anti-GOLPH1 (RABBIT) Antibody - 600-401-BM2
Item No.:	600-401-BM2
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	GOLPH1, also known as GCP60, was initially identified as a Golgi protein that can interact with the integral membrane protein giantin and is thought to be involved in the maintenance of the Golgi structure. GOLPH1 has also been shown to interact with other Golgi proteins such as Golgin-160, a Golgi protein that can be cleaved by caspases-2, -3, and -7, leading to the nuclear localization of Golgin-160. GOLPH1 interaction with the Golgin-160 fragments is stronger than that with the intact Golgin-160, with its interaction regulated by the oxidation state of Cys-463 within GOLPH1, suggesting that the nuclear localization of the caspase-cleaved Golgin-160 fragments is a highly coordinated event. GOLPH1 has also been found to interact with Numb, a cytosolic signaling protein that mediates asymmetric cell division of neural progenitor cells to a daughter progenitor cell and a neuron, suggesting that Golgi fragmentation and reconstitution during the cell cycle differentially regulate Numb signaling through changes in GOLPH1 subcellular distribution and may couple cell fate with cell cycle progression.
Synonyms:	GOLPH1 Antibody, PAP7, GCP60, GOCAP1, GOLPH1, Golgi resident protein GCP60, Acyl-CoA-binding domain-containing protein 3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	ACBD3
Reactivity:	Human

Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-GOLPH1 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide from near the N-terminus of human GOLPH1.
Purity/Specificity:	Anti-GOLPH1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with GOLPH1 from other sources has not been determined.
Relevant Links:	• UniProtKB - Q9H3P7 • GeneID - 64746 • NCBI - EAW69775

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-GOLPH1 Antibody has been tested for use in ELISA and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 61 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
WB:	1-2 µg/mL

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

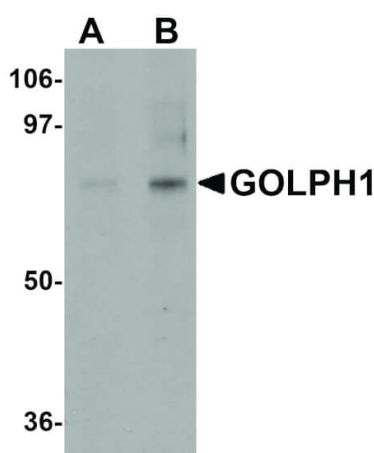
Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot

Western Blot of GOLPH1 antibody. Lane 1: K562 cell lysate with GOLPH1 antibody at 1 µg/mL. Lane 2: K562 cell lysate with GOLPH1 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 61 kDa, 80 kDa for GOLPH1. Other band(s): GOLPH1 splice variants and isoforms.

Disclaimer

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